



Infrared Remote Controller Module

- [P/N: MIR5538]

The MIR5538 Infrared Remote Controller Module has on-board infrared detecting and emitting elements working in the same mode and at the same spectrum as that for TVs, VCRs, audio equipment, air conditioning and other home electronic appliance. The MIR5538's IR detecting element can receive the control signal from a regular IR remote controller and the IR emitting element can send the control signal to appliances named above. The data signals are usually transmitted in modulated waves and there is a Band Pass Filter (BPF) in IR detector to recover them. The BPF center frequency of the MIR5538 is 38 KHz.

Features:

- Infrared signal capturing and transferring
- 38 KHz BPF frequency
- Compatible with most infrared-ready household appliances
- Plug-and-play in the WiRobot system





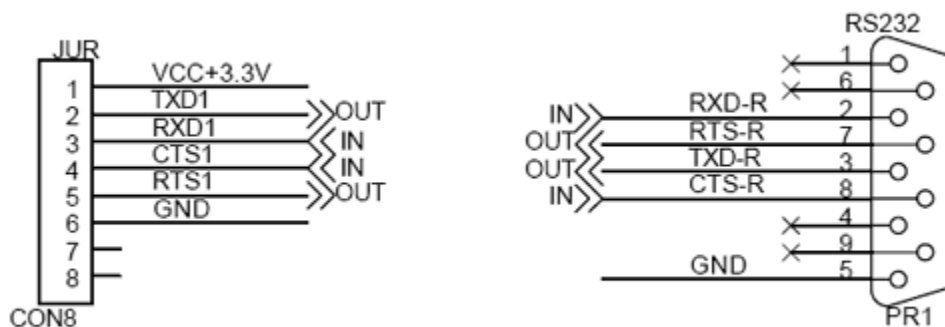
RS232 Interface Module with Power Supply Input Connector

- [P/N: MCR3210P]

The MCR3210P RS232 Interface Module is a hardware matching interface compatible with standard RS232 electrical specifications. Powered by single 3.3 V power supply, working as the bridge between the TTL logical-level signal and RS232 device, the MCR3210P is capable of transmitting and receiving up to 1 M bits/sec with RTS/CTS handshaking. It has a power supply input connector for using with wireless module at PC side.

Features:

- 1 M bits/sec data rate
- RTS/CTS handshaking
- Single 3.3 V power supply
- 9-pin DSUB connector as DTE
- with a power supply input connector



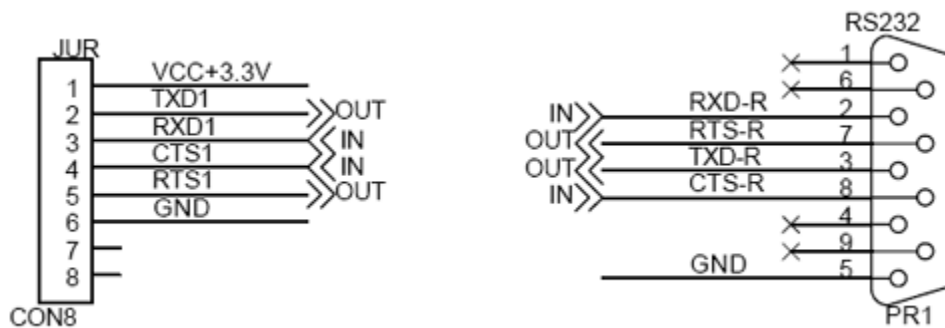
RS232 Interface Module - [P/N: MCR3210]



The MCR3210 RS232 Interface Module is a hardware matching interface compatible with standard RS232 electrical specifications. Powered by single 3.3 V power supply, working as the bridge between the TTL logical-level signal and RS232 device, the MCR3210 is capable of transmitting and receiving up to 1 M bits/sec with RTS/CTS handshaking.

Features:

- 1 M bits/sec data rate
- RTS/CTS handshaking
- Single 3.3 V power supply
- 9-pin DSUB connector as DTE



Serial Bluetooth Wireless Module - [P/N: MCB3100]



The MCB3100 Serial Bluetooth Wireless Module is a class II Bluetooth module with on-board stack. It can be used in applications for wireless audio, still image, sensing and control data communications. It is plug-n-play for both WiRobot controllers.

Features:

- Class 2 Bluetooth compatible
- On-board communication stack
- Effective range: 15 meters indoor, 45 meters outdoor
- Support UART data rate: 921.6/460.8/115.2kbps
- Plug-and-play in the WiRobot system





USB Cable - Type A - B Connectors
- [P/N: USC1100]

This cable is USB 2.0 compatible to ensure high speed data transfers between your PC and USB devices





USB to Serial Adapter

- [P/N: CP-US-03]

The USB Serial Adapter is a dongle with a USB A connector on one end, and a DB9M connector on the other. It provides an external plug-and-play RS-232 Male serial connection to your computer's USB "A" host port, or to an external USB hub's downstream port. The onboard, proprietary circuitry under the DB9 hood guarantees 100% compatibility with all serial RS-232 devices. Installation is easy. Simply plug a serial device into the UC-232A adapter and plug the USB port into the computer. No IRQs are needed, so there are no IRQ or Com port conflicts.

Features:

- Fully compliant with USB specification v1.1
- Supports automatic handshake mode
- Supports remote wake-up and power management
- Over 500kbps data transfer rate
- 96 byte buffer each for upstream and downstream data flow
- Easy installation
- Works with cellular phones, PDA, digital cameras, modems, and ISDN terminal adapters
- Frees your RS-232 ports for other uses
- No IRQs, no IRQ conflicts
- Compatible with Windows 98/ME/2000/XP and Mac OS 8.6 or later





WiFi 802.11b serial module with antenna - [P/N: WFS802b]

The WFS802b WiFi (802.11b) serial module is the most compact, integrated solution available to add 802.11b wireless networking to your robots with a serial interface.

To enable access to a local network or the internet, the WFS802b integrates a fully developed TCP/IP network stack and OS. The WFS802b also includes an embedded web server that can be used to remotely configure, monitor, or troubleshoot the attached device.

The WiPort is the most compact, integrated solution available to add 802.11b wireless networking to any device with a serial interface. Using our highly integrated hardware and software platform, you will add to your bottom line by significantly reducing product development time, risk, and cost.

Features:

- Serial to 802.11b conversion
- Dual serial ports up to 921.6kbps per port
- Integrated industry standard 802.11b wireless interface
- 128bit WEP Encryption for security
- Connect any serial device to a wireless network
- Stable, field proven TCP/IP protocol suite and Web-based application framework
- Easy configuration through a web interface
- Embedded web server
- High performance throughput

