Micro Control Systems
APPLICATION NOTE
APP-075

How to Connect to MCS-Connect through a Null Modem Serial Cable

Revision History

Date	Author	Description
03/28/12	Michael Schreiber	Created application note

Equipment Needed:

1. **Computer**
2. **Null Modem Serial Cable**
3. **USB to Serial Converter (If Applicable)**
4. **Latest MCS-Connect program**

Connecting Null Modem Serial Cable directly to Computer:

● For Microsoft XP:

1. At your desktop, left click on **Start** button.
2. Left click on **Control Panel** button.
3. Double left click on **System** icon in Classic view. If you are in Category view, you can switch over to Classic view by left-clicking on **Switch to Classic View** on the left side of the Control Panel window.
4. Left click on **Hardware** tab.
5. Left click on **Device Manager** button.
6. Left click on (+) next to **Ports (COM & LPT)** to drop down Port information.
7. What is **Communications Port (COM #)**? This will be set in **MCS-Connect** program.
8. Close all Windows after determining the **Communications Port (COM #)**.
9. Double left click on **MCS-Connect** icon on desktop. If **MCS-Connect** icon isn't on desktop, left click **Start** button on desktop. Left click **MCS-Connect** on Start Menu.
10. Left click on **Setup** tab.
11. Left click on **Options** tab.
12. Under **Communications** tab, set **LOCAL Comm. COM Port Selection** to the **Communications Port (COM #)** found on computer.
13. Left click on **Save** button.
14. Left click on **OK** button.
15. Left click on **Local-Serial** button to scan for microprocessor when connected.

● For Microsoft Windows 7:

1. At your desktop, left click on **Start** ball.
2. Left click on **Control Panel** button.
3. Double left click on **Hardware and Sound** icon.
4. Left click **Device Manager** under Devices and Printers.
5. Left click on (►) next to **Ports (COM & LPT)** to drop down Port information.
6. What is **Communication Port (COM #)**? This will be set in **MCS-Connect** program.
7. Close all Windows after determining the **Communication Port (COM #)**.
8. Double left click on **MCS-Connect** icon on desktop. If **MCS-Connect** icon isn't on desktop, left click **Start** button on desktop. Left click **MCS-Connect** on Start Menu.
9. Left click on **Setup** tab.
10. Left click on **Options** tab.
11. Under **Communications** tab, set **LOCAL Comm. COM Port Selection** to the **Communication Port (COM #)** found on computer.
12. Left click on **Save** button.
13. Left click on **OK** button.
14. Left click on **Local-Serial** button to scan for microprocessor when connected.

Connecting Null Modem Serial Cable through a USB to Serial Converter to Computer:

The MCS-USB-RS232 sold through Micro Control Systems is the USB to Serial Converter that is proven to work. Other brands of USB converters may or may not work. When connecting a USB converter, you must make sure that the correct driver is installed on your computer. The driver can be found on a CD that is included with the USB to Serial Converter or can be found online.

● For Microsoft XP:

To install driver through CD included with MCS-USB-RS232:
1. Plug in **MCS-USB-RS232** to USB port on your computer.
2. Insert CD into your computer.
3. Download software.
4. Follow prompts.

To install driver found online:
1. Plug in **MCS-USB-RS232** to USB port on your computer.
2. Get connected to internet and go to www.mcscontrols.com.
3. On **Micro Control Systems** website, left click on the **Products** tab.
4. Go to **Controls** tab, left click on **Peripherals** tab.
5. Scroll down to **MCS-USB-RS232**, left click on **Click here to Download and Install the Drivers**.
6. Follow prompts.

To get connected to MCS-Connect:
1. At your desktop, left click on **Start** button.
2. Left click on **Control Panel** button.
3. Double left click on **System** icon in Classic view. If you are in Category view, you can switch over to Classic view by left-clicking on **Switch to Classic View** on the left side of the Control Panel window.
4. Left click on **Hardware** tab.
5. Left click on **Device Manager** button.
6. Left click on (+) next to **Ports (COM & LPT)** to drop down Port information.
7. What is **USB Serial Port (COM #)**? This will be set in **MCS-Connect** program.
8. Close all Windows after determining the **USB Serial Port (COM #)**.
9. Double left click on **MCS-Connect** icon on desktop. If **MCS-Connect** icon isn't on desktop, left click **Start** button on desktop. Left click **MCS-Connect** on Start Menu.
10. Left click on **Setup tab.**
11. Left click on **Options** tab.
12. Under **Communications** tab, set **LOCAL Comm. COM Port Selection** to the **USB Serial Port (COM #)** found on computer.
13. Left click on **Save** button.
14. Left click on **OK** button.
15. Left click on **Local-Serial** button to scan for microprocessor when connected.

● **For Microsoft Windows 7:**

To install driver through CD included with MCS-USB-RS232:
1. Plug in **MCS-USB-RS232** to USB port on your computer.
2. Insert CD into your computer.
3. Download software.
4. Follow prompts.

To install driver found online:
1. Plug in **MCS-USB-RS232** to USB port on your computer.
2. Get connected to internet and go to www.mcscontrols.com.
3. On **Micro Control Systems** website, left click on the **Products** tab.
4. Go to **Controls** tab, left click on **Peripherals** tab.
5. Scroll down to **MCS-USB-RS232**, left click on **Click here to Download and Install the Drivers**.
6. Follow prompts.

To get connected to MCS-Connect:
1. At your desktop, left click on **Start** ball.
2. Left click on **Control Panel** button.
3. Double left click on **Hardware and Sound** icon.
4. Left click **Device Manager** under Devices and Printers.
5. Left click on (►) next to **Ports (COM & LPT)** to drop down Port information.
6. What is **USB Serial Port (COM #)**? This will be set in **MCS-Connect** program.
7. Close all Windows after determining the **USB Serial Port (COM #)**.
8. Double left click on **MCS-Connect** icon on desktop. If **MCS-Connect** icon isn't on desktop, left click **Start** button on desktop. Left click **MCS-Connect** on Start Menu.
9. Left click on **Setup** tab.
10. Left click on **Options** tab.
11. Under **Communications** tab, set **LOCAL Comm. COM Port Selection** to the **USB Serial Port (COM #)** found on computer.
12. Left click on **Save** button.
13. Left click on **OK** button.
14. Left click on **Local-Serial** button to scan for microprocessor when connected.