



**icaste JCommUSB 3.0 API for Windows XP,
Windows 2000, Windows Server 2003 and
Windows Vista
Installation Instructions**

Requirements.....2
Verifying USB device support and finding your Hardware ID.....2
Installing JCommUSB3
Uninstalling JCommUSB.....5
Further Information6

Installation Instructions

Requirements.

To install and use JCommUSB 2.0 the following is required;

- J2RE or J2SDK version 1.5.0_05 or better.
- Windows XP service pack 2, Windows Server 2003, service pack 2, Windows 2000 service pack 4 or Windows Vista.

The act of installing this software acknowledges you have read and understand the license agreement.

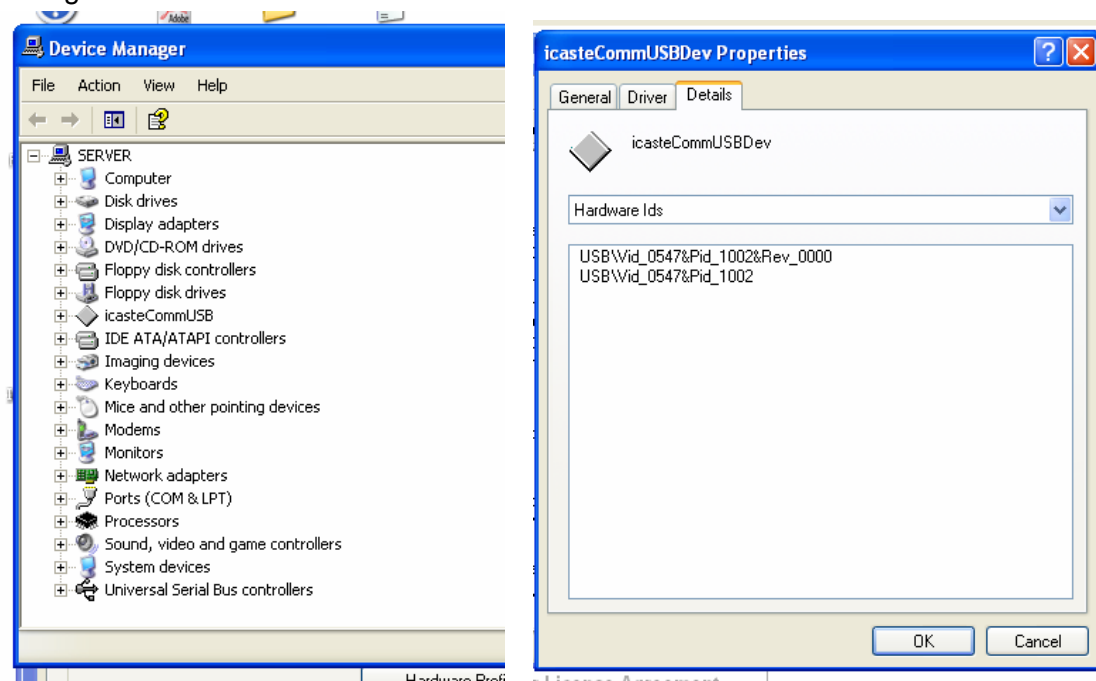
Verifying USB device support and finding your Hardware ID.

You can view your USB device hardware ID in;

“Control Panel”→”System”

Select the “Hardware” tab and click ”Device Manager”.

Locate your device, right click and select “properties”, then click the “details” tab and navigate to “Hardware IDs”.



Installation Instructions

You must note the string that starts “USB\”, there may be more than one however they should all contain the same first 21 characters. We only need to note the first 21 characters, this should contain “USB\” followed by the Vendor ID and Product ID.

Example:

```
USB\Vid_07b8&Pid_b02a&Rev_0525
```

```
USB\Vid_07b8&Pid_b02a
```

In this case we just need to note “USB\Vid_07b8&Pid_b02a”.

Make a note of this Hardware ID, it will be needed during installation.

Installing JCommUSB

Step 1.

Backup your JCommUSB 3.0 distribution to a safe location.

Step 2.

In the JCommUSB_3_0 distribution folder double click “setup.exe”.

Follow the onscreen prompts to install the JCommUSB files to your PC.

Make a note of the install path (c:\program files\icaste\JCommUSB_3_0\ by default), you will need this path in order to locate the “JCommUSB_3_0.jar” file for use with your Java projects.

During the install you may be prompted to install the latest “.NET” framework. The “.NET” framework is not required to run the JCommUSB API, the API binaries are native, however the “.NET” framework is required to run the “Driver Install Utility”. The “Driver Install Utility” is a wizard that simplifies the install process needed to add individual USB devices for use with JCommUSB.

If required, the “.NET” framework will be downloaded from Microsoft and installed.

Step 3.

Install the JCommUSB driver for your USB device.

From “start->programs” navigate to JCommUSB_3_0. In this folder you should see several utilities. Select “Driver Install Utility”.

Installation Instructions



Follow the prompts using the Hardware ID you found in the previous section.

Note: Be patient with the wizard, it performs many background tasks while installing the driver and at times may appear frozen while it performs these tasks.

The wizard should complete with an “Install Successful” message. If the wizard fails, contact support@icaste.com for assistance.

Step 4.

To confirm the install is complete, goto “start->programs->JCommUSB_3_0” and select “Install Tester”. This will run USB tester directly from the JCommUSB_3_0.jar and display the output.

If the “Install Tester” fails, contact support@icaste.com for assistance.

Installation Instructions

```
ca: C:\Windows\system32\cmd.exe
C:\Program Files\icaste\JCommUSB_3_0>java -jar JCommUSB_3_0.jar
Start USBTester!
Device Path of Device at index 0 = \\?\usb#vid_ffff&pid_0001#5&36c701f9&0&7#<5a44bde9-d92c-4a97-b2b8-63ba19e74635>

Device Desc Data
Device Class 0
Device Sub Class 0
Device E0 max packet size 8
Device Manufacturer String index 1
wel
Device Num Configs 1
Device Vendor ID -1
Device Product ID 1
Device Product String Index 2
Litele keyboard
Device Protocol 0
Device Version 1
Device Serial Number String Index 0

Config Desc Data
Conf Current Index 1
Conf Max Power 50
Conf Num Interfaces 1
Conf String Desc Index 4
Error Pulling Conf Desc String: com.icaste.JCommUSB_3_0.USBException: Data error
(cyclic redundancy check).

Interface Index 0 Current Setting 0
Interface Data for Interface index 0, Setting Index 0
Interface Class 3
Interface SubClass 1
Interface Num Alternate Settings 1
Interface Num Endpoints 1
Interface Protocol 1
Interface String Index 5
EPI Interrupt Pipe

Endpoint Info for Interface Index 0, Setting Index 0, Endpoint Index 0
Endpoint Address -127
Endpoint Interval 10
Endpoint MaxPacket Size 8
Endpoint Pipe Type: 4
INTERRUPT PIPE

Other Data
```

Uninstalling JCommUSB

Uninstalling a single USB Device

In “Device Manager” click the icasteCommUSB branch to expand the tree. Locate the icasteCommUSBDev you’d like to remove, right click and select “Uninstall”. If you have more than one device listed under icasteCommUSB and you did not use a custom name, you can identify the device to be removed by its hardware ID, or by disconnecting all icasteCommUSBDev’s except the one you wish to uninstall.

Uninstalling JCommUSB

Follow the “Uninstall a single USB device” instructions for all USB devices installed with the icasteCommUSB driver.

Goto “Add Remove Programs” in “Control Panel”, look for JCommUSB_3_0 and click “remove”.

Further Information

Be sure to read the JCommUSB API JavaDoc, it contains a lot of useful info. The source code for USBTester has been included with the distribution and can be “butchered” to fit your needs.

Also you may contact support@icaste.com for best effort support.