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### **An overview of Connection Manager**

Connection Manager is a graphical client connection manager that is part of the Navigator Graphic User Interface for *Wildcat! 5*. This program allows callers to view the remote system in a different way, a visual representation of a BBS that has the look of Windows 95. The Navigator interface creates a user interface for *Wildcat!* BBSs that is easy to use and flexible.

### **Automatic upgrading**

When you connect to a remote system, the connection client checks the host system for Navigator version information. If you are using an older version than the one used by the Host, you will be prompted to download either a "patch" upgrade, if the version is not much older, or the entire new Navigator, if the version is more than one version previous.

This is all handled automatically by the connection client. Once you have received the latest version, it will be properly installed for you, and opened as you move around in your current connection.

## The Command Menu

The command menu lets you select options from a drop-down menu. All of the options available for the connection manager are available through these menus. The different command menus are:

[Connections](#)

[Dial](#)

[View](#)

[Help](#)

## Connections

The **Connections** menu lets you create and edit your connection list. These are the remote systems that you want to connect to. Use **New** to create a New connection, **Insert** to insert a connection at the currently marked entry point, **Delete** to delete a connection, etc. These are the options available from the **Connections** menu:

[New](#)

[Insert](#)

[Delete](#)

[Properties](#)

[Devices](#)

[Dial Properties](#)

[Exit](#)

**New**

Opens a new connection manager file.

**Exit**

Closes the Connection Manager.

**New**

Creates a new connection entry at the cursor position.



**Insert**

Creates a new connection entry and places it at the bottom of the current entry list.

**Delete**

Deletes a highlighted entry.

## Properties

Opens the [Connection Properties](#) dialog box, allowing you to add and edit new connections.

## **Devices**

Opens the [Device List](#) dialog box, allowing you to add and edit new devices.

**Dial Properties**

Opens a general dialing properties sheet. Enter the information about accessing outside lines, area codes, and credit card numbers, if required.

**Dial**

Dials the selected entry or makes the proper FTP/Telnet connection.

## **View**

The **View** menu lets you determine how the connection manager appears on your screen. Use **View Toolbar/View Statusbar** to toggle the toolbar and statusbar view on and off, and select from the other options to select the way that your screen displays connection information. These are the options available from the **View** menu:

[Toolbar](#)

[Statusbar](#)

[Large Icons](#)

[List](#)

[Details](#)

**View Toolbar**

Toggles the toolbar view on and off.



### **View Statusbar**

Toggles the statusbar view on and off.

### **View Large Icons**

Displays screen information as large icons, with only the name available.

**View List**

Displays screen information in a list format, with minimal details about each item.

**View Details**

Displays screen information in a list format, with information details about each item.

## Help

The **Help** menu launches the online help engine. You can get help about specific items or general topics. These are the options available from the **Help** menu:

[Help topics](#)

[About](#)

**Help topics**

Launches the online help system.

## **About**

Displays version and other information about Navigator.

## The Connection Screen

The main screen information bar displays information about connection entries.

[System Name](#)

[Phone/Address](#)

[Device](#)



**System Name**

This is the name of the host system to connect to.

**Phone**

This is the phone number, telnet, or IP address used to make the connection.

**Device**

This is the device used to make the connection.

### **Connection Status Box**

Shows the current status of your connection

## **Details**

Clicking details displays information about the current connection, including the number of bytes sent and received.

## **Disconnect**

Click the **Disconnect** button to cancel the current connection.

**Cancel**

Closes Connectin Manager without connecting.

## **New Connection**

Select **Connections/New** to add a connection to the connection client list. An [Edit Connection](#) dialog box appears.



### **Edit Properties**

Opens **Connection Properties** dialog box, allowing you to add, edit, and change the device for [connection](#) destinations.

## **Edit Connection Properties**

The **Connection Properties** property sheet allows you to add, edit, and delete connection and device settings. When you are satisfied that the information is correct, select **OK** to save and accept any changes you have made. Choose **Cancel** to close the dialog box without saving changes.

[System](#)

[Area code](#)

[Phone/Host](#)

[User ID](#)

[Password](#)

[Device to use](#)

[Device List OK](#)

[Check for new mail at login](#)

[Cancel](#)

**Default Location**

There is no method to set a default connection site. You must select the service you wish to connect to each time you connect.

**Area code**

Enter the area code of the system you are connecting to.

**Check for new mail at login**

Automatically checks at connection for new personal mail. You are notified if you have received new mail since your last connection to this BBS.

### **Connection List**

Displays a list of all connections entered into the connection client database. Click on an entry to highlight it, or double-click to open the **Edit Connection** dialog box for that entry.

**New**

Creates a new connection and opens the [Edit Connection](#) dialog box.

## **Delete**

Press the **Delete** key or choose **Connections/Delete** to remove the highlighted entry from the list of available connections.



### **Edit Connection**

Opens the [Edit Connection](#) Dialog Box and loads in the highlighted entry information.

**OK**

Confirm your selections and close the current window.

**Cancel**

Closes the **Connection List** dialog box without saving changes.

**System**

Type in the name of the system. This is how it will appear on the Connections list in the initial Navigator screen.

**Phone/Host**

Type in the phone number or telnet address of the remote system. This is the number that will always be used when the request for this connection entry is made.

**User ID**

Type in your User ID. (This is the name you use to log on to the remote system.)

**Password**

Type in the password you use when logging on to this system. The remote system makes use of [MD5](#), RSA Data Security's password encryption system.

### **MD5 Encryption Security**

MD5, RSA Data Security's encryption algorithm, is used to make sending passwords over the Internet more secure. What it does is essentially scramble your password as you send it. Each end of the connection encrypts the password, and then when you send the password over the wire, the host compares what is sent to its own encryption. Your password itself is never actually sent over the wires. Connection Manager and the remote system both support MD5.

The technical description of MD5 is that "the MD5 message-digest algorithm takes as input a message of arbitrary length and produces as output a 128-bit "fingerprint" or "message digest" of the input.



**Device to Use**

Select the device to use for the connection by clicking the down arrow in the drop-down box. A list of devices that have already been entered will drop down. You can choose one of the existing device entries, or you can enter a new one by selecting [New Device](#).

**OK**

Confirm your selections and close the current window.

**Cancel**

Closes the dialog box without saving changes.

### The Device List dialog box

To add a new device for connection client to use when connecting, select **Edit/Devices** and click on **New**. A Device list entry will appear in the listbox. Highlight the new entry and click **Edit**.

The [Serial Device Properties](#) sheet appears, allowing you to choose the settings for the new device.

[Device Listbox](#)

[New](#)

[Edit](#)

[Delete](#)

[Device List OK](#)

[Cancel](#)

**New**

Adds a new device to the Device List window. This can then be edited by using the **Edit** button.

## **Edit**

When the **Edit** button is activated, a [Serial Device Properties](#) sheet appears, allowing you to select configuration options for the device.

A **No configuration Needed** message will appear if a telnet or winsock connection is selected.

**Delete Device**

Deletes the highlighted device. You will not be prompted to confirm before the deletion is applied.

## **Serial Device Properties Overview**

The Serial Device Properties property sheet allows you to set options for a serial device.

[Port](#)

[MaximumSpeed](#)

[Lock port at this speed](#)

[Cancel call if not connected by](#)

[Disconnect call if idle](#)

[Reset string](#)

[Dial string](#)



## Serial Device Properties General

[Port](#)

[Maximum speed](#)

[Lock port at this speed](#)

**Port**

Select the port you want the device to use from the drop down box that appears when you click the down arrow to the right of the display box.

### **Maximum Speed**

The baud rate is the speed at which the COM port operates and should in most cases match the top speed of the modem, or the locked DTE speed for high speed modems. High speed modems, that is, modems with nominal baud rates of 9600, 14400, 16800 and higher, should always be set to a higher baud rate than the actual connect speed, to enable hardware flow control, data compression and error correction. Thus, the correct setting for a 9600 or 14,400 baud modem would be 38400 or 57600.

### **Lock port at this speed**

Some modems will match the speed of the host system automatically, but you may want to force a speed for your modem. Enable **Only Connect At** if you want the device selected to connect only at the selected speed.

## Connection Overview

Cancel call if not connected within \_\_\_ seconds

Disconnect call if idle more than \_\_\_ seconds

Reset string

Dial string

### **Reset string**

**Default: ATZ** Enter the command to reset your modem.

**Dial string**

Default: ATDT Enter the command to tell your modem to dial.

### **Cancel Call If Not**

Select this if you want the device to cancel a call (stop attempting to make a connection) after a specified period of time. Type the number of seconds the device should wait before canceling a call into the text box next to "seconds". When **Cancel Call if Not...** is enabled, a checkmark appears in the box beside it.



**Disconnect If Idle**

Select this if you want the device to disconnect a call after a specified period of idle time (no activity of any kind). Type the number of seconds the device should sit idle before disconnecting a call into the text box next to "seconds". When **Disconnect If Idle** is enabled, a checkmark appears in the box beside it.

**OK**

Confirm your selections and close the current window.

**Cancel**

Discard your selections and close the current window.

**Apply**

Applies your selections without closing the property sheet.

**Help**

Opens the help file (this file).

**OK**

Confirm your selections and close the current window.

**Cancel**

Discard your selections and close the current window.

**Apply**

Applies your selections without closing the property sheet.



## **How do I...**

[Getting started](#)

[Add a BBS to my list?](#)

[Change the settings for my modem?](#)

[Connect to the BBS](#)

[Logging on locally](#)

[Getting around in your favorite BBS](#)

[Dialing a connection](#)

[Changing connection settings](#)

[Editing an entry](#)

[Configuring an entry](#)

[Launch other clients](#)

### **Add a BBS to my list?**

To add a new entry to your list:

1. Select **Connections/New** from the command menu, or press [INS]. An **Edit Connection** dialog box appears.
2. Enter the information in the Edit Connection dialog box that appears - [System](#), [Area code](#), [Phone/Host](#), [User ID](#), [Password](#), and [Device to Use](#).
3. Once you are satisfied with your selection, choose **OK**.

If the device to use is not in the list that drops down:

1. Cancel the **New Connection** and select **Connections/Devices**.
2. Click on **New**.
3. Highlight the **New Device** that appears, and then click **Edit**.
4. The [Serial Device Properties](#) sheet opens. Enter all the information and select your preferences.
5. When you are satisfied with your selections, press **OK** to accept.
6. Return to **Connections/Properties**. When you highlight the entry and click **Edit**, your previous information has not been changed, and you can select your new device.
7. When you are satisfied with all your selections, press **OK**.

Your new entry will now appear in the textbox, and you can select **Dial** to begin connecting. You must enter a dialing entry, or connection, for each service you want to connect to using the Navigator.

### Change the settings for my modem?

To select different settings for your device (modem):

1. Select **Connections/Devices** from the command menu.
2. Highlight the entry that you want to edit, and click **Edit**.
3. The [Serial Device Properties](#) property sheet opens, allowing you to change any of the settings for that entry.
4. When you are satisfied with your selection, click **OK**.

## Getting Started

The Navigator programs and support files are placed into their own directory. Start the connection manager (WILDCAT.EXE). You can connect via regular modem/phone connection, PPP, FTP, or telnet. Connection Manager has been designed to be easy to use. The dialer program maintains a dialing directory, and is responsible for establishing and maintaining communication with the remote system.

The first thing you must do is configure a dialing entry for your [own](#) or [another](#) system.

### To configure a dialing entry

You must initially configure a dialing entry for each connection you make using the Navigator. These are stored by Connection Manager and will not need to be configured again, unless changes are made to the host connection. To enter a dialing entry:

1. Start Connection Manager, and select **Connections/New**. A [New Connection](#) screen pops up.
2. Enter the information on the Connection property sheet that appears - System, Phone/Host, User ID, Password, and Device to Use.
3. When you are satisfied that all the information you have entered is correct, click **OK**.

Most likely, the device you want to use will be listed, but if the device to use is *not* in the list that drops down:

1. Save your new connection by clicking **OK**.
2. Select [Connections/Device](#).
3. Click on [New](#). The Serial Device Properties sheet opens. Enter all the information and select your preferences.
4. When you are satisfied with your selections, press **OK** to accept.
5. Highlight your new connection entry and select **Connections/Edit** or click the [Properties](#) icon.
6. You can now select your new device to be used with your new connection entry.
7. When you are satisfied with all your selections, press **OK**.
8. Your new entry will now appear in the textbox, and you can select [Dial](#) to begin connecting.

### To edit an entry

If the BBS you are calling changes its phone number, connection speed, or anything that requires you to change your configuration, you will need to edit your dialing entry.

1. To change the name, phone number or IP address, your user information, or the device to use:
2. Mark the entry and select **Connections/Properties**.
3. The **Connection Properties** dialog box opens, allowing you to change any of the settings for that entry.
4. When you are satisfied with your selection, click **OK**.

To change the [device settings](#), select **Connections/Device** from the command menu.

### **To change your connection settings**

Sometimes, you may want to change the settings for the modem used to connect to a particular entry. While TAPI handles the addition of new modems, you may need to set a speed or port, or other setting unique to the system you are calling. Here are the steps you must take to edit your connection settings.

1. Select **Connections**, then **Devices**.
2. Highlight the entry to be changed, and click **Edit**.
3. The [Serial Device Properties](#) property sheet opens, allowing you to change any of the settings for that entry. You can select the port, speed, data bits, parity, stop bits, speaker volume, set dialing options, and terminal window opening times by using this property sheet.
4. When you are satisfied with your selection, click **OK**.

**To dial your connection**

Double click on the entry to which you want to connect, or click once and then click [Dial](#).  
Connection Manager will dial the entry.



### **Getting Around in Your Favorite BBS**

Since each sysop sets up a BBS differently, it is impossible to describe all of the variations that can be used to move around in a given BBS. But no matter how your sysop has set up the BBS Web page, you should find it easy to get around.

When you find the link to the section you want to view, click on the link and the appropriate Navigator Client program is launched. For instance, if you click on the "Files " section of the BBS, the file client is automatically started, so that the files and folders are displayed. You can also use the link `icons_` at the top of the Connection Manager screen.

## Logging on locally

To log on locally, you must set up a local host entry in the Connection list. Each address you use must be unique. You do not need to worry about configuring anything for DNS, Default Gateway, or any other setting.

[With a TCP/IP network](#)

[Without a TCP/IP network](#)

### **Without a TCP/IP network**

1. Set the dial string in Connection Manager to your IP address or use the dial string "localhost".
2. Enter your system name, User ID and password, device to use.
3. Click **OK**.

Double click on the entry, or mark the entry and select **Dial** from the command menu.

### **With a TCP/IP Network**

1. Go to **Windows Control Panel** and select **Network**.
2. Change the default **IP Address** . This is actually the local machine address in all cases. You can use **10.0.0.1** (this is an address reserved for a system that is not connected to the global Internet).
3. Set the dial string in Connection Manager as either the same IP address as above, or the dial string "localhost ".
4. Click **OK**.

### **Connect to the BBS**

Double click on the entry to which you want to connect. If the local sysop has provided the BBS with a web connection, you will see a home page guiding you through the different sections of the BBS.

## **Command reference**

[Connections menu commands](#)

[Dial menu commands](#)

[View menu commands](#)

[Help menu commands](#)

## Connections

**New** - Opens the New Connection property sheet. Lets you create a new dialing entry.

**Insert** - Insert a new entry at the current location.

**Delete** - Deletes marked entry.

**Properties** - Opens the Connection [Properties](#) property sheet.

**Devices** - Opens the Edit connect devices property sheet.

**Dial properties** - Lets you edit properties used when dialing out from your modem.

**Exit** - Closes the connection manager and disconnects any current connections.

## Properties

**System** - The name of the system to connect to.

**Area code** - Type the area code for the system you are connecting to.

**Phone/Host** - The phone number or telnet address to be used for this connection.

**User ID** - Type in your user ID for this connection.

**Password** - The password used when making this connection. Your password for this connection.

**Device to use** - The device to use for this connection.

**Device Name** - The name (if a modem) or properties (if a telnet connection) of this device.

**Port** - The port to be used for this device.

**Maximum Speed** - Sets the maximum speed allowed for this device.

**Lock port at this speed** - Forces the connection to be locked at the set maximum speed.

**Cancel call if not connected within** - Sets the length of time to pass before the attempt at connection is canceled.

**Disconnect a call if idle for more than** - Sets the length of time that the connection is idle before disconnecting.

**Reset string** defines the string sent when you want to reset your modem. Refer to your modem annual for more information.

**Dial string** defines the string sent when you want to tell your modem to dial. Refer to your modem annual for more information.

### Check for new mail at login

Checks for personal mail received since your last connection to this BBS.

**OK** - When you are satisfied with your selections, click **OK**.

**Cancel** - Closes the device list dialog box without saving your selections.

**New** - Opens the New device property sheet, allowing you to set up a new device for use when connecting.



**Dial**

Dials the currently marked entry.

## **View**

**Toolbar** - Toggle the toolbar view on and off.

**Statusbar** - Toggles the statusbar view on and off.

**Large icons** - Displays entries as large icons. Only the name and large icon associated with the entry is displayed.

**List** - Displays entries as small icons. Only the name and small icon associated with the entry is displayed.

**Details** - Displays the entry as a small icon with associated details System name, phone or address, and associated device.

## **Help**

**Help Topics** - Launches the online help system.

**About** - Displays version and resource information about the Connection Manager.

### **DLL Errors**

If you receive a "Call to Invalid Dynalink" error when using the Navigator, you may have an older version of CTL3DV2.DLL on your system, and Navigator was not able to install over it because it was in use when Navigator was installed. Delete any copies of CTL3DV2.DLL from your computer and reinstall the Navigator.

## Troubleshooting

[I've received an Invalid Dynalink \(CTL3DV2.DLL\) Error Using Windows 3.1, I keep getting a cache error](#)

### **CACHE Error**

If you get a cache error (Error 262) when the Navigator starts up, you need to load SHARE.EXE before running Windows. Add the following line to your AUTOEXEC.BAT file:

```
SHARE.EXE /L:500 /F:5100
```

### Launching other clients

Once you are connected to a remote system, you can launch other clients directly from the connection manager by clicking the appropriate icon displayed at the top of the screen.



### **How do I connect to remote systems using my access provider?**

If you are using an access provider or ISP (Internet Service Provider) to connect via the Internet, and want to connect to a remote system using the Navigator, you may be able to do this several ways, depending on your provider.

Check with your access provider. The access connection package provided by your provider may have additional options. If you perform all of your telnet options from a menu on your provider's account, you may have a different kind of account. This account actually runs on the ISP system and just sends info back to you. In this case you may not be able to run Navigator using your access provider. If you are unsure about the type of account you have, check with your access provider. The question to ask is "Can I run my own Telnet Client on my PC?"

#### **To connect using an ISP:**

1. Create an entry for the BBS you are connecting to, select **Telnet** as the device to use. Enter the telnet address for the BBS.
2. Connect to your access provider in your usual way.
3. Once the connection is made, launch the Connection Manager and connect to the BBS entry.



**Bring up terminal client on connect**

Check this box if you want Connection Manager to open a [terminal window](#) when it connects with the dialing entry.

**User name**

Enter your User ID. This is the name you use to log on to the remote system.

**Password**

Enter the password you use when logging on to this system.

**Remember my password**

Check this box if you would like to save your password and send it automatically, rather than entering it each time you connect.

**Check for new mail at logon**

Automatically checks at connection for new personal mail. You are notified if you have received new mail since your last connection to this BBS.

## **Connect**

Click the **Connect** button to log onto the remote system.

**OK**

Confirm your selections and close the current window.

**Cancel**

Closes the dialog box without saving changes.



**Apply**

Applies your selections without closing the property sheet.

**Delete**

Deletes the highlighted device from the list.

## Help

Click the **Help** button or press F1 for help on any topic.

## Settings

The **Settings** button pops up the **Connection Settings** property sheet, which allows you to view and edit your modem (device) settings.

## Connection settings

The **Connection Settings** dialog box contains information on the network address and phone numbers of the remote system, as well as the device (modem) on your computer to use for the connection.

There are two ways to connect to a remote system:

[Connect using my local area network or another dial-up Internet provider](#)

[Connect using Dial-up access](#)

**Connect using my local area network or another dial-up Internet provider**

This selection connects to the remote system using your local internet connection or a dial-up internet provider.

**Connect to**

If the remote system has more than one IP (Internet Protocol) address, select the one you prefer to use for this connection.

**Connect using Dial-up access**

This selection connects to the remote system using your modem and telephone line.



**Dial number**

If the remote system has more than one access number, select the one you prefer to use for this connection.

**Connect using**

This is a list of devices (modems) to use. Select the port where your modem is located.

## Dialing properties

This button opens the **Dial properties** property sheet.

## Dial properties

This property sheet allows you to specify how local and long distance phone numbers should be dialed.

[To access an outside line](#)

[My current area code is](#)

[To dial long distance](#)

[Dial using credit card](#)

**To access an outside line**

If you are calling from a PBX (switchboard) phone system and must dial a number to place outgoing calls, enter that number here.

**My current area code is**

Enter your area code in this field.

**To dial long distance**

If your local phone company requires you to enter a number (for instance 1) to place a long distance call, enter that number here.

**Dial using credit card**

If you wish to use a telephone credit card to place your call, enter the card number in this field. Connection manager will automatically send this number when dialing.



**New**

The **New** button allows you to create a new device (modem) to use for dial-up connections. Fill in the [Serial Device Properties](#) page with the new information.

## Properties

The **Properties** button allows you to view or edit an existing device (modem) to use for dial-up connections. Fill in the [Serial Device Properties](#) page with the new information.

## **Serial device properties**

The Serial Device Properties property sheet allows you to set options for a serial device. This property sheet has two tabs: [General](#) and [Connection](#).

## General

The **General** tab has the following options:

[Device name](#)

[Port](#)

[Maximum speed](#)

[Lock port at this speed](#)

**Device name**

Enter the name of this device, for instance Modem on Com 2 or US Robotics Sportster.

**Port**

Select the port you want the device to use from the drop down box that appears when you click the down arrow to the right of the display box.

**Maximum speed**

The baud rate is the speed at which the COM port operates and should in most cases match the top speed of the modem, or the locked DTE speed for high speed modems. High speed modems, that is, modems with nominal baud rates of 9600, 14400, 16800 and higher, should always be set to a higher baud rate than the actual connect speed, to enable hardware flow control, data compression and error correction. Thus, the correct setting for a 9600 or 14,400 baud modem would be 38400 or 57600.

**Lock port at this speed**

High speed (9600 bps and faster) modems work best when the port speed is locked at a higher baud rate than the actual modem speed. For best performance with a high speed modem, turn this option on.



## Connection

The **Connection** tab has the following options:

[Cancel call if not connected](#)

[Wait seconds before redial](#)

[Reset string](#)

[Dial string](#)

**Cancel call if not connected**

Select this if you want the device to cancel a call (stop attempting to make a connection) after a specified period of time. Type the number of seconds the device should wait before canceling a call into the text box next to "seconds". When **Cancel Call if Not...** is enabled, a checkmark appears in the box beside it.

**Wait seconds before redial**

If the line is busy when you try to connect, Connection Manager will retry the connection automatically. Enter the number of seconds Connection Manager should wait between calls in this field.

**Reset string**

Enter your modems reset string in this field. Most modems use ATZ as the reset string.

**Dial string**

Enter your modems dial string in this field. Most modems use ATDT for tone dialing, or ATDP for pulse dialing.

## **The Custom Connector**

Enter your User Name and Password in this screen, then click **Connect** to log onto the remote system.  
If you need to view or update your modem settings, click the **Settings** button.  
To close the Custom Connector, click the **Cancel** button.

