



# T-Mobile Communication Centre Software

## Getting Started Guide

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# 1 Welcome

*Communication Centre Software* is a quality product of T-Mobile. This product supports you during your daily business, be it at home in your office or while travelling.

This state-of-the-art software was especially developed for mobile application on notebooks running *Microsoft Windows™*.

The intention with this document is to describe how to install the *Communication Centre Software* and getting started with the software and supported data cards. It also describes first hands-on to configure and customize the *Communication Centre Software* to suit your individual requirements or company guidelines.

For any questions on further configuration please refer to the *Communication Centre* User Guide.

## 1.1 Variants of Communication Centre Software

The software comes in three different flavours fitting specific customer needs:

- The **Internet** type of installation is for the normal user. With its pre-defined settings it allows out-of-the-box wireless access to the public internet.
- The **Administrator** type additionally is for IT administrators who want to integrate VPN solutions for a secure access to the corporate LAN.
- The **Deployment** type is for IT administrators that want to create a re-distributable installer file with custom options.

This document describes the Standard variant, which is designed that only minor adjustments like installing default devices is needed after installation of the software.

For any questions on advanced configuration in the Administrator or Deployment variant please refer to the *Communication Centre* User Guide.

## 1.2 Three easy steps to mobile connect to the Internet

The first usage of *Communication Centre* requires three simple steps:

1. Install the T-Mobile Communication Centre Software. The installation process includes the installation of drivers for T-Mobile Multimedia Net cards.
2. Assign default devices for bearers to be used (WLAN, UMTS, GPRS, LAN)
3. Connect to T-Mobile Network and Internet with pre-defined profile "Mobile"

## 1.3 System requirements

In order to run *Communication Centre* on a notebook it should meet the following minimum technical requirements:

Processor:	Pentium II processor
Internal memory:	128 MB RAM
Disk space:	130 MB
Operating Systems:	Microsoft Windows XP SP2 Microsoft Windows 2000 SP4 <b>with Microsoft Internet Explorer version 5.5 or later</b>

Devices (out of the list of supported devices below)

UMTS/ GPRS cards:

- Mobile DSL Card\* or Mobile Broadband Card\*
- Mobile DSL Card Compact\* or Mobile Broadband Card Compact\*
- T-Mobile Multimedia Net Card UMTS / GPRS
- T-Mobile Multimedia Net Card UMTS

UMTS/ GPRS/ WLAN cards:

- Mobile DSL Card WLAN\* or Mobile Broadband Card WLAN\*
- T-Mobile Multimedia Net Card UMTS / GPRS/ WLAN

GPRS/ WLAN cards:

- T-Mobile Multimedia Net Card GPRS / WLAN
- Sony Ericsson GC79 WLAN PC Card
- Nokia D211 PC Card

GPRS cards:

- T-Mobile GPRS PC card
- Sony Ericsson GC75 PC Card?

WLAN cards:

- T-Sinus 130card2

\*: New High Speed Data card from T-Mobile – The name of the card may differ depending on your national T-Mobile Mobile Operator.

## 2 Getting started with Communication Centre

Follow the instructions below and you will get up and running with *Communication Centre* as soon as possible.

### 2.1 Installation

#### Important Note

Do not insert the card in the PC until the installation is complete or you are prompted to do so. After installation of Communication Centre, the drivers for “T-Mobile Multimedia Net” data cards are pre-installed as well. You can plug in your data card immediately. The card will be detected by Communication Centre automatically.

Make sure that any previous installation of these cards is uninstalled, before installing any of them again.

You need administrator privileges on the laptop to run the *Communication Centre* installer package. If this should not be the case, please contact your IT-Administrator.

1. Insert the CD with the *Communication Centre* in the notebook. A screen is displayed allowing you choose to install the *Communication Centre 2.5*.
2. Language selection. Select your preferred language for the *Communication Centre* and click on **OK**.
3. The next dialog requests to check your national T-Mobile Mobile Operator. Choose your mobile operator from the list and then click **Next**.
4. License Agreement. Read carefully the license agreement and accept it by clicking **Next** to continue the installation
5. Installation variant. Select the installation variant, Internet, Administrator or Deployment. Internet variant of installation is suitable from the majority of users. The administrator variant is suited to those users using compression and/or optimisation software. The deployment variant is best suited to IT administrators who want to create a re-distributable installer with custom options.
6. Installation variant Deployment. In case you have chosen this variant the next step is to select the standard "Access Point Name" (APN) for the mobile access to the Internet using T-Mobile networks.
7. After successfully installation of the software, the Summary screen presents the option to reboot your machine. To continue and finalise the installation, click on **Finish**.

#### Important Note

If the notebook should require a reboot after installation, reboot the PC and then double-click the *Communication Centre* icon on the desktop to start the *Communication Centre Software*.

The installer creates:

- shortcuts in the **Start Programs** menu
  - *T-Mobile*
    - *Communication Centre*
      - *Communication Centre*
      - *Create Redistributable Installer (Deployment variant only)*
      - Email Wizard
      - Getting Started
      - T-Mobile Web
      - Uninstall
      - User Manual
    - HotSpot Locator
- a shortcut to ***Communication Centre Software*** on the desktop
- a shortcut to ***Communication Centre Software*** in the quick launch tray.

## 2.2 Uninstalling the Communication Centre

To uninstall the *Communication Centre* (and the HotSpot Locator) click the Windows 'start' button and locate 'T-Mobile' under the 'programs' tab. Here you will find the *Communication Centre Software* uninstall program.

It is also possible to uninstall the *Communication Centre Software* from "Add or Remove Programs" respectively "Software" in the Microsoft Windows Control Panel.

## 2.3 Starting the Communication Centre

Insert your data card into your notebook launch the *Communication Centre* by clicking on the icon on the desktop.



1. signal strength
2. available networks
3. network name
4. launch pad with preconfigured tasks
5. connection status and data
6. active profile
7. connect/disconnect multi function button

While being launched *Communication Centre* searches automatically your notebook for installed devices and configures the found devices for the supported wireless networks (GPRS, UMTS, WLAN). In case multiple suitable devices are found for one wireless network you will be prompted to choose your preferred default device.

After a few seconds your devices are ready to connect to the Internet. *Communication Centre* highlights the available wireless networks with a grey frame, displays the signal strength, the network name and the active profile. Clicking the **connect/disconnect** multi function button will now connect to the Internet. The successful connection to the Internet will be highlighted with a red arrow in the centre of the **connect/disconnect** multi function button, the used wireless network will be highlighted with a green frame and the actual speed and connection time will be displayed.

Clicking again on the **connect/disconnect** multi function button will disconnect from the Internet.




## 3 GPRS/UMTS functions

### 3.1 PIN request

In case you have inserted a valid SIM-/USIM in your data card in your notebook, you will get a PIN request any time the notebook is switched on, when *Communication Centre* is started.

This PIN has been provided to you in the security envelope together with the SIM card. Fill in the digits in the text input field and click **OK**. You have three attempts. In case all three attempts were in vain the SIM card will be locked. In order to unlock your SIM card, you have to provide the PUK, which was also provided to you within the security envelope

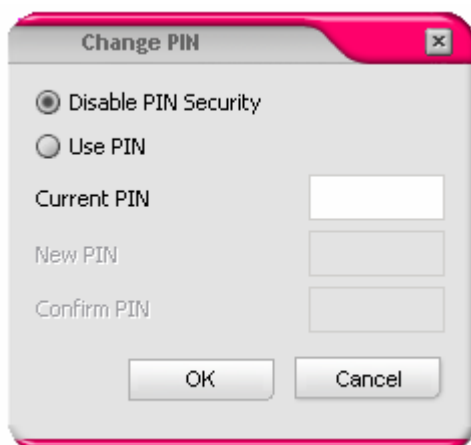


 **Important Note**

If you are unaware of your PIN code, please refer to "Your SIM" documentation provided in your new SIM packet. Your PIN code is the 4 digit number on the bottom right hand of the document. If you are still unable to find the PIN code please contact customer services for assistance.

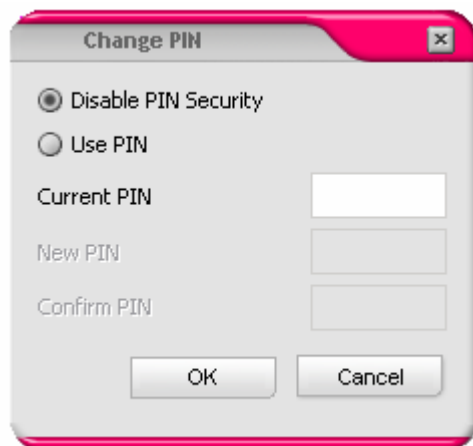
### 3.2 Changing the PIN

To change the PIN go to the menu **Options | GPRS/UMTS Devices | PIN Management**. Activate **Use PIN** and fill in the digits for the current PIN, new PIN and confirm PIN and click **OK** to activate the new PIN.



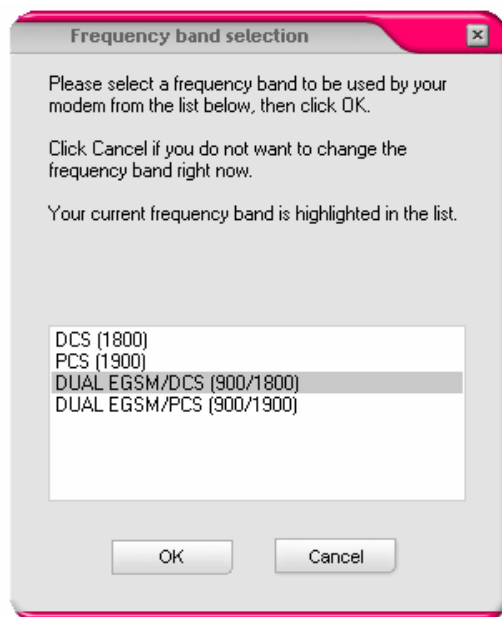
### 3.3 Deactivating the PIN

To deactivate the PIN go to the menu **Options | GPRS/UMTS Devices | PIN Management**. Activate **Disable PIN Security** and click **OK**.



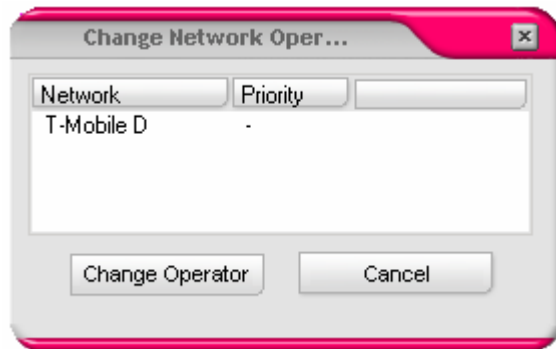
### 3.4 Setting the frequency band

Go to the menu **Options | GPRS/UMTS Devices | Frequency Band** to set the used GPRS/UMTS frequency band. The actual used frequency band is marked with a grey bar in the list of the supported GPRS/UMTS frequency bands. Select the new frequency band with a click and activate the new GPRS/UMTS frequency band by clicking **OK**.



### 3.5 Selecting the GPRS/UMTS network operator

Go to the menu **Options | GPRS/UMTS Devices | Network Selection** to select the GPRS/UMTS operator manually. *Communication Centre* will start to fetch the network operator information this may take several seconds. All possible GPRS/UMTS operators will be displayed. Select the GPRS/UMTS operator you want to use with a mouse click and click **Change Operator**.



## 4 Device Manager

### 4.1 Device installation

#### Important Note

Do not insert the data card in the notebook until the installation is complete or you are prompted to do so.

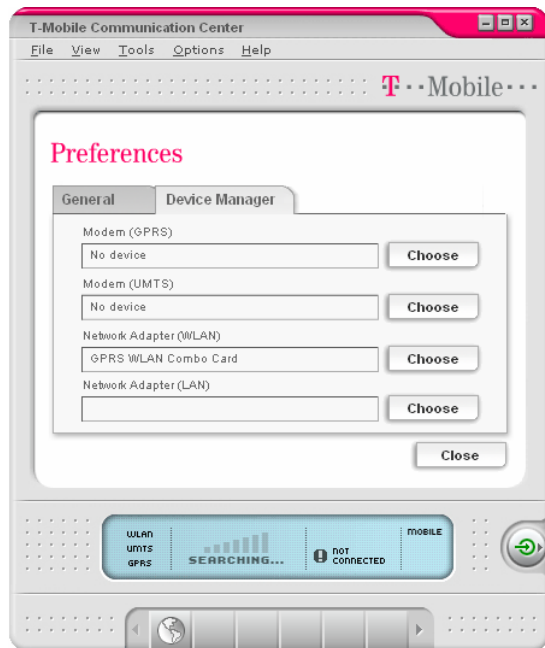
The *Communication Centre* supports a variety of UMTS/ GPRS/ WLAN data cards. The supported devices are presented in the drop-down menu of the “Device Installation” wizard. This list can be found in *Communication Centre* **Options** menu, under **UMTS/GPRS Devices** and **Install Device...**:

1. Go to **Options | GPRS/UMTS Devices | Install Device** to start the device installation.
2. The **Device Installer Wizard** will be displayed. This wizard provides two options for device installation. You may either scan your notebook for pre-installed devices or install a new device. Select the option you want and click **Next**.
3. For the option install a new device the next screen will present the choices between manually select device from a list and auto detect attached devices.
4. For the choice manually select a device from a list the next screen will present a drop down list containing all supported data cards. Select your data card and click **Next** to continue.
5. The device drivers will be installed.
6. Upon successful device installation the **Device Installation Wizard** will be closed. You may now insert the data card in your notebook, it will be configured automatically and is ready for operation.

## 4.2 Selecting default devices

In case the automatically selected default devices are not appropriate for your tasks you may use the **Device Manager** to manually change the default devices. The **Device Manager** allows you to select a default device for each supported network.

Got to **Options | Preferences** and click the **Device Manager** tab to manually select the default devices. The **Device Manager** displays all selected default devices. Click **Choose** to select a different default device for a specific network.



## 5 Network connections

### 5.1 Supported networks

In combination with appropriate data cards (T-Mobile Multimedia Net Cards, Intel Centrino WLAN) Communication Centre Software allows the connection to various bearers like WLAN, UMTS, GPRS and LAN.

On start up, the *Communication Centre* attaches to different bearers according to how it is configured. To get the most out of T Mobile Hotspots and UMTS/ GPRS connectivity, the *Communication Centre Software* is preconfigured to attach to WLAN and UMTS. If the device does not support UMTS or if there is no coverage for UMTS, the GPRS network will be used if possible.

### 5.2 Connection profiles

In order to simplify customer's life, *Communication Centre* comes with a pre-defined profile "Mobile", which allows out-of-the-box wireless access to the public Internet via T-Mobile HotSpot, UMTS and GPRS. Dependant on the network coverage, the fastest network will be selected automatically when pressing the **Connect/Disconnect** multi function button. You may also manually select a specific connection and bearer with the **Connect/Disconnect** multi function button, just click the little black arrow on the **Connect/Disconnect** multi function button and a list with available connections will be enrolled. You may now select the connection with a mouse click.

### 5.3 Changing the active connection profile

The pre-defined default connection profile is called "Mobile". Go to **File | Profiles** to change the active profile. The actual active profile is displayed in upper right corner of the light blue screen within *Communication Centre*.

**Note:** The other pre-defined profiles called "Office" and "Home" are empty profiles. In order to use those profiles you must first configure them. Go to **Options | Configuration** and then select **Connection Profiles** in order to configure a profile. For more information about configuration refer to the User Guide.

### 5.4 Connect/Disconnect multi function button

When the *Communication Centre* is started, we advice you to wait until the operator name and signal strength are shown in the Status Display. Once you can see T-Mobile operator name, the PC is attached to the network. The left side of the Status Display shows which bearers are currently available (highlighted). Now use the **Connect/Disconnect** multi function button to establish a connection to the network.



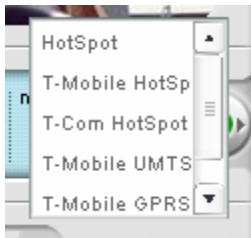
Clicking this button makes the *Communication Centre* connect via the bearer according to the connection order (priority list) in the active profile.

When a connection is active, the **Connect/Disconnect** multi function button turns into a **Disconnect** button. You may terminate a connection by clicking the red highlighted **Disconnect** button.



Further more, status information such as online time, average data throughput (speed) is also displayed while connection is active.

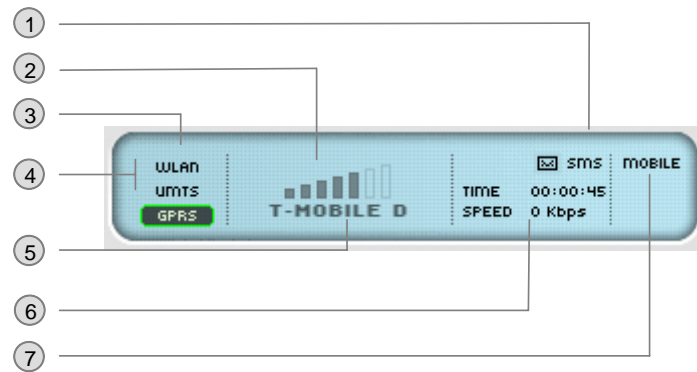
It is also possible to connect with any configured connection by using the context menu of the Connect button. In this case the connection order in the active profile is not used. Instead the connection is established with the bearer selected by clicking on the name as shown.



Click on the small triangle of the Connect button to choose among available connections. By clicking on just one entry out of the list, *Communication Centre Software* tries to establish a connection with that network.

## 5.5 Network display and status information

The light blue screen in the centre of *Communication Centre* displays all important information about the status of your network connections.



The status information displayed in the light blue screen contains following information:

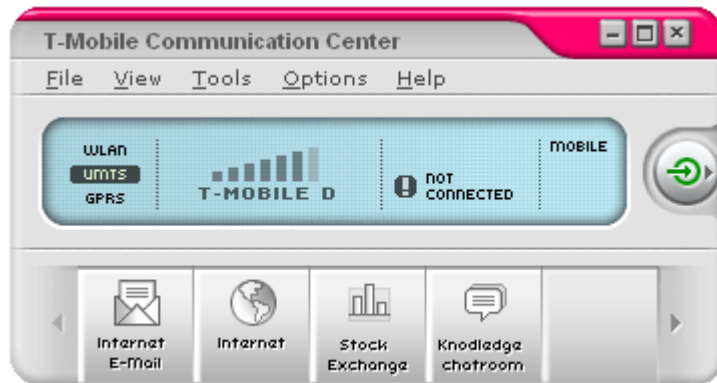
1. SMS-envelope, displays received SMS
2. network signal strength
3. connected network is marked by a green frame
4. available networks are marked by a grey bar
5. network name
6. time and speed of the current connection
7. name of the active connection profile



## 5.6 Application launch pad

The launch pad resides in the bottom of the *Communication Centre* and contains the application buttons for each of the tasks. A task can establish a connection as well as launch a set of user applications after a connection is made.

The launch pad can be toggled between two different views. By clicking the **View** menu you can choose whether the launch pad shall be visible at all times, along with showing the tool text next to the icon.



For more information regarding tasks please refer to the User Guide.

## 5.7 HotSpot support

The HotSpot service is a wireless internet service area found in numerous public locations like in coffeehouses, hotel lounges, airport lounges etc. Using the *Communication Centre* it will automatically display the availability of HotSpots operated by T-Mobile and T-Com. The *Communication Centre* supports automatic login handling to a HotSpot with subscription data based on your mobile account (i.e. 4417100007@t-mobile.net). The credentials of such subscription can be ordered with Communication Centre manually as well as by using the automatic mode.

### Quick Guide to login to a HotSpot:

1. Press the **Connect** button, whenever a HotSpot is available (this is shown as operator "HotSpot" in the Status Display). The *Communication Centre* will check whether required subscription account information is stored. If the *Communication Centre Software* doesn't have necessary subscription account information, it will offer to acquire them automatically from the T-Mobile HotSpot server.
2. In automatic mode, Communication Centre displays a dialog to accept the terms and conditions of HotSpot. Please read and click on **Accept** to continue with the HotSpot login otherwise you are prompted to enter them manually in the form.
3. Having accepted the terms and conditions, *Communication Centre* sends an SMS and receives an SMS with the user credentials and account information. Therefore a device with a T-Mobile SIM card needs to be attached to the PC and configured as default device to be used for GPRS or UMTS connectivity.
4. Should *Communication Centre* be used in automatic mode, the credentials will be parsed out of the SMS response and then used to enter the HotSpot service area.

If you already have a subscription or want to use the mobile phone to acquire the subscription data, just enter the username and password in the dialog box in the *Communication Centre Software*. This dialog box is displayed in automatic mode or can be found by clicking in **Tools | HotSpot | HotSpot Account** to manage the username and password.



### Important Note

The HotSpot service is a public WLAN offer from T-Mobile and T-Com as a Wireless Internet Service Provider (WISP). The use of HotSpot will be charged separately on your mobile phone bill or via credit card. Without accepting the terms and conditions you can't access the internet via HotSpot.

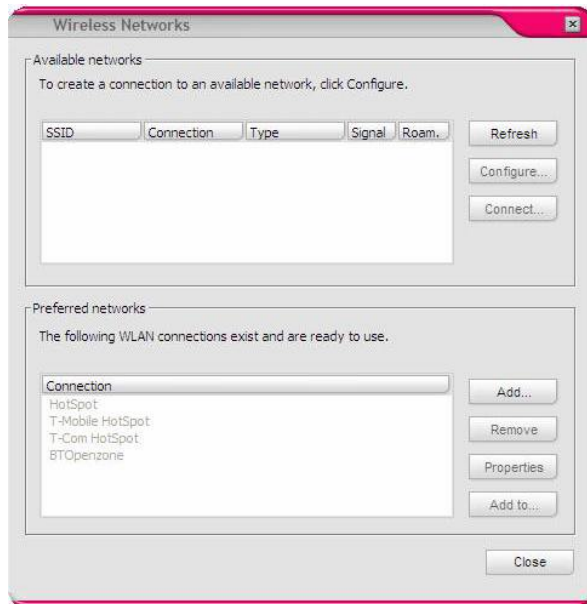
Once the *Communication Centre* has acquired the subscription data, it will use them automatically whenever requested to login to a HotSpot. It also supports the logout from the HotSpot. When you have finished your internet session, use the **Disconnect** button in order to logout from the HotSpot. As soon as the HotSpot server has disconnected you from the Internet, the Status Display will show "offline". Note, that using the logout button from the HotSpot website is also possible and the *Communication Centre* will display "offline" after a few seconds.

For further information about the support for subscription based HotSpot access, please refer to the website of your national T-Mobile operator or the login page of the HotSpot service area.

## 5.8 Configure WLAN

The *Communication Centre* is fully WLAN compatible and supports access to WLAN in many locations such as home, in the office or even in public locations with HotSpot coverage.

With the help of *Communication Centre's* WLAN sniffer you will be able to sniff for available wireless networks. The WLAN Sniffer is found by clicking the **Tools** menu and then on **WLAN Sniffer**. This tool displays the network name of available wireless LAN networks. You may configure a connection on it and assign this connection to be used in the profiles of your choice.



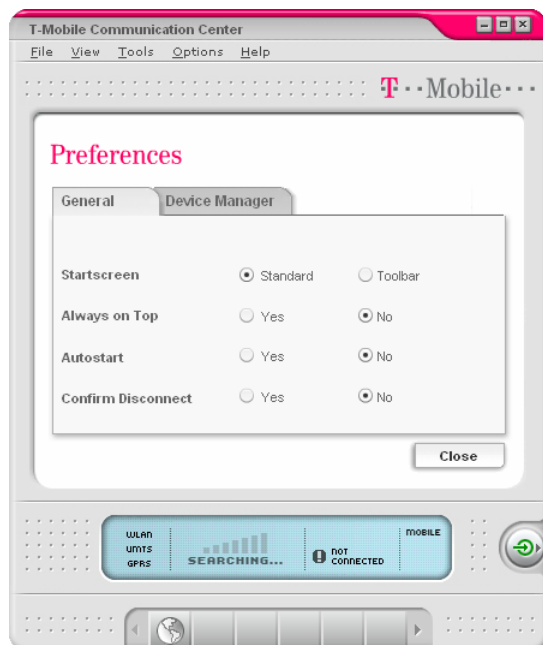
In the configuration of *Communication Centre* you can define various technical details like WEP encryption, WPA, proxy settings and login modules to be used. Detailed information on these configurations can be found in the *User Guide*.

## 6 Preferences

A limited number of configuration options are available in the **Preferences** menu. This can be found under the **Options** menu. In the **General** tab you will be able to define the start up screen, auto start and confirmation settings. In the Device Manager tab the default devices that shall be used with *Communication Centre Software* need to be defined.

### 6.1 General preferences

- **Start screen:** The application can be set to have a specified window size on start up - **Standard** and **Toolbar** view.
- **Always on Top:** This option controls whether *Communication Centre* should stay on top of other application windows or not.
- **Auto start:** If set to “Yes” then *Communication Centre* will be launched on start up of the PC, otherwise you can start the software manually.
- **Confirm Disconnect:** This option lets you decide how to handle disconnects. If set to “Yes” then *Communication Centre* will prompt you to confirm the disconnect action before actually disconnecting from the network.
- **Speed manager plus:** This option lets you decide whether compression services are used for optimised Web surfing or email download.



## 7 Configuration

The *Communication Centre* is designed that only minor adjustments like installing default devices is needed after installation of the software. The *Communication Centre Software* allows you to configure the software with additional connections, profiles, tasks and several supported applications like VPN Clients or Optimization Clients.

The **Configuration** should only be used carefully since modifications on connection settings might cause general connectivity problems. Please refer to the *User Guide* for detailed information on configurations.