

# Setting up a GPRS Connection





# **Steps within the OS Windows 98**

- **1. Connecting hardware**
- 2. Installing a new modem (here: MC35)
- **3. Configure Remote Access Service**
- 4. Setting up the Dial-up Network
- 5. Log into the Net
- 6. Troubleshooting





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- Click :"Don't detect my modem, I'll select it"
- Install New Modem

   Windows NT will now try to detect your modem. Before continuing, you should:

   1. If the modem is attached to your computer, make sure it is turned on.

   2. Quit any programs that may be using the modem.

   Elick Next when you are ready to continue.

   Image: Don't detect my modem: I will select it from a list.

#### Choose Standard modem 19200bps



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	Neues Modem installieren 🛛 🔀
You have selected the following modem:         Standard 19200 bps Modem         On which ports do you want to install it?         All ports         Selected ports	Das Modern ist jetzt konfiguriert Wenn Sie die Einstellungen andern mochten, doppelklicken Sie in der Systemsteuerung auf das Symbol "Moderns", und wählen Sie das Modern aus Klicken Sie dann auf "Eigenschaften".
Choose COM Port	sen das System neu starten, bevor Sie das Modem 'Standard 19200 bps Modem' verwenden können.
Click "finish" in the next win	dow
Restart, if recommended	
Close all windows and resta	rt
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- Open "Control panel"
- Click "Modems"
- Now you see the installed modem in the list
- Mark "Standard 19200 bps modem"
- Click "Properties"

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Installing a new mo	odem	SIEMENS Mobile
Modems Properties       Image: Comparison of the following modems are set up on this computer         Image: Comparison of the following modems are set up on this computer         Image: Comparison of the following modems are set up on this computer         Image: Comparison of the following modems are set up on this computer         Image: Comparison of the following modems are set up on this computer         Image: Comparison of the following modems are set up on this computer         Image: Comparison of the following modems are set up on this computer         Image: Comparison of the following modems are set up on this computer         Image: Comparison of the following modems are set up on this comparison of the following modems are set up on this computer         Image: Comparison of the following modems are set up on this computer         Image: Comparison of the following modems are set up on this computer         Image: Comparison of the following modems are set up on this comparison of the following modems are set up on this comparison of the following modems are set up on this comparison of the following modems are set up on the fo	Click         Jonection         Standard 19200 v       odem Properties         Fereral Connection         Standard 19200 bps Modem         Port: COM1         Speeker volume         Joseker volume </th <th></th>	
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# **Configure Remote Access Service**



- Open control panel
- Click "Network"
- Choose "Services" in register
- Choose "Remote Access Service"

RetBIOS In	rowser terface		
RPC Config Server	cess Service uration		
Add	Remove	Properties	Update
- Description: -		<u>, - ,                                  </u>	
Enables users network,	to work offsite as	: though connected	I directly to a



C	ick	

"Add"



## **Configure Remote Access Service**





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#### **Click "Yes" and restart**



## Setting up the dial-up network



#### You need some data from your provider:

	T-D1	D2 Vodafone	E-Plus	VIAG
Primary DNS	193.254.160.1	139.7.30.125	212.23.97.2	195.182.96.28
Secondary DNS	free	139.7.30.126	212.23.97.3	195.182.96.61
IP address	Automatic	Automatic	Automatic	Automatic
APN	internet.t-d1.de	volume.d2gprs.de	internet.eplus.de	internet
IP header compression	no	no	no	no
Default QoS	Precedence 3; delay 4; reliability 3; peak 0; mean 0	Precedence 3; delay 4; reliability 3; peak 7; mean 31	Precedence 2; delay 4; reliability 3; peak 9; mean 31	Precedence 2; delay 4; reliability 3; peak 4; mean 31

- APN (Access Point Name)
- DNS (Domain Name Server)
- Default QoS (Quality of Service) settings
- IP-Header
- IP adressing (dynamic oder static)
- Username und password (if recommended)

# Setting up the dial-up network

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- open "my computer"
- click "dial-up network"





## Setting up the dial-up network



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# Log into the Net



- Open "My computer"
- Click "Dial-up network"

Telefonbuchgintrag		
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<u>R</u> ufnummer:		
×99×××1#		
Wählen von:		
Standard		
		<u>S</u> tandort
ial"	Wählen	<u>B</u> eenden
	Telefonbuchgintrag	Telefonbuchgintrag: Diff Neu Rufnummer: *99***1# Wählen von: Standard Vählen





# Log into the Net



If chosen, the terminal window pops up now.

Therewith you have the following choises

- enter the pin
- check the status of the network
- all kinds of at-commands are possible

S Terminallenster vor dem Wählen     OK     OK     Weiter     Abbrechen     Vaskindung mit 1-011 veid Kongestalls     Vaskindung mit 1-011 veid Kongestalls     Vaskindung mit 1-011 veid Kongestalls	= Terminalfenster vor dem Wählen	
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Weiter         Abbrechen           Weiter         Abbrechen           Vashindung mit 1-D1 wird braugestalb         *99***1# wird gesicht           #99***1# wird gesicht         Abbrechen		
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	Abbrechen	



# Log into the Net

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The MC 35 is now connected via GPRS with a browser you can surf in the Internet now.



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# Troubleshooting





• An other program blocks the serial interface, e.g. mouse sw or PDA sw

• An other application (fax-, terminalprogram) uses the modem

• RAS is only set up for incoming calls

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Verbindung mit D-T1 wird hergestellt         "99"***1# wird gewählt         Abbrechen         The dial-up window pops up for a short time and dissapears without any error messages	
The initialization did not work! Possible reasons: - the lokal baudrates do not match together (AT+IPR) - some extra settings had been made and cause a failure - the MC 35 has no physical contact to the com port	<b></b>

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## Troubleshooting

- Check all plug connections
- Check control-LED of Terminal/DSB35
- Close all programs which use the serial interface
- Check communication to the MC35 with terminal program (hyper terminal)
- Check the modem installation (baudrate in modem and dial-up network)
- Configure and check RAS
- Check "extra settings" and remove it for testing
- Read log-file for trouble shooting



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