



# Nera WorldCommunicator User Guide

CHANGING THE WAY WE COMMUNICATE

**NERA**  
TELECOMMUNICATIONS



RADIO FREQUENCY RADIATION  
HAZARD - KEEP CLEAR  
2 METRES MINIMUM

## RADIATION WARNING

High levels of radio frequency radiation are considered health hazardous. Although no single value of “safe radiation level” has been agreed upon by all countries, the American National Standards Institute (ANSI/IEEE C95.1-1992) recommends that people should not be exposed to radiation stronger than 1 milliwatt per square centimetre at the frequencies used in the WORLDCOMMUNICATOR terminal. Accordingly, the operator of the terminal should ensure that the area extending 2 metres from the front of the antenna be kept clear of personnel when the terminal is transmitting.

## OBTAINING LICENSING FOR INMARSAT TERMINALS

Under rights given under ITU Radio Regulations, local telecommunications administrations establish and enforce national rules and regulations governing types of emissions, power levels, and other parameters that effect the purity of signal, which may be radiated in the various frequency bands of the radio spectrum.

To legally operate an Inmarsat terminal, it is necessary to obtain permission from the local telecommunications regulatory authorities of the country you are operating within. Using your terminal in any country without permission causes you to run the risk of confiscation of the terminal or legal action from local authorities. Normal practice for taking telecommunications into another country is to apply for a license before travel. If a license has not been obtained before travel, the equipment may be put into storage by local authorities until such time as a license is obtained.

All specifications are subject to change without notice.

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STARTING UP .....	5	ADVANCED FUNCTIONS : .....	22
<i>Installing the PC program</i> .....	5	Overview .....	22
TRAFFIC LOG : .....	8	Access control .....	23
<i>General</i> .....	8	<i>Restricted dialing</i> .....	23
<i>Traffic log readout</i> .....	8	<i>Checking the dialing setup</i> .....	23
<i>Traffic log settings</i> .....	9	<i>Restricted dialing setup</i> .....	24
<i>Printout viewer</i> .....	10	<i>Restricted SIM usage</i> .....	25
PHONE BOOK .....	11	<i>Restricted SIM</i> .....	25
<i>General</i> .....	11	Satellite setup .....	26
<i>Abbreviated dialing</i> .....	11	Configuration .....	27
<i>Editing or adding entries</i> .....	11	<i>ISDN configuration</i> .....	27
FUNCTIONS .....	12	<i>Net service providers</i> .....	27
ACCESS LEVEL : .....	14	<i>Set diagnostics</i> .....	28
<i>User level / changing PIN code</i> .....	14	<i>Power conservation</i> .....	28
<i>Functions requiring owner level</i> .....	15	Information available .....	29
<i>Shifting to owner level</i> .....	15	<i>Miscellaneous version Id information</i> .....	29
<i>Changing owner level password</i> .....	15	Installation .....	30
SELECTING DEFAULT NET PROVIDER .....	16	<i>Phone name setup</i> .....	30
PHONE SETUP : .....	17	PRINT HANDLING .....	31
<i>Backlight control</i> .....	17	<i>Setup</i> .....	31
<i>Setting call duration limit</i> .....	18		
<i>Setting date and time</i> .....	18		
<i>Setting key unlock code</i> .....	19		
PRECHARGE : .....	20		
<i>General</i> .....	20		
<i>Owner loads Precharge time</i> .....	20		
<i>Comment</i> .....	21		
<i>Precharge on SIM card</i> .....	21		




## Installing the PC program

The **vtLite** program allows the WorldCommunicator functions to be operated or configured from a PC, such as:

- Phone book
- Traffic log
- Precharge
- DECT/ISDN configuration

For an explanation of the functions, see the **“User Guide”** accessible on the enclosed CD.

The **vtLite** program is stored on the enclosed CD and must be installed on the PC harddisk:

**1** Insert the CD : 

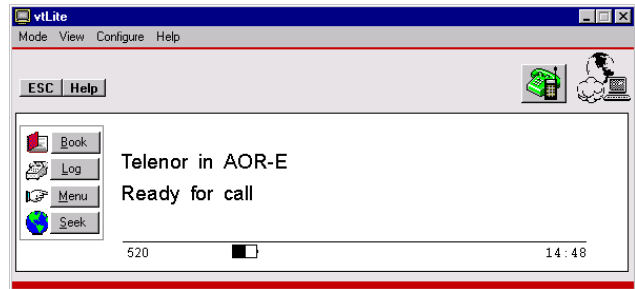
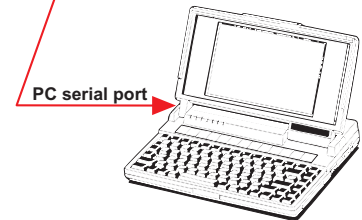
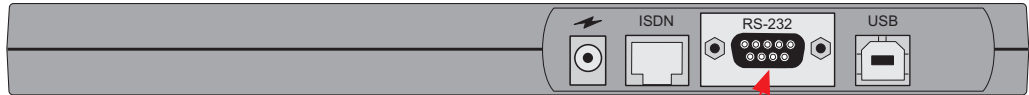
The *Start Page* opens automatically in a few seconds. (Alternatively, open the Acrobat file **“NWC\_StartPage”** on the CD. If necessary, install Acrobat Reader by clicking **“ar40eng”** in the **“SW Installation”** folder.)

**2** Click **“Software Installation”** and then **“vtLite”**. Allow files to load on to the PC hard drive. The installation of the program starts automatically when files have been loaded.

**3** Connect the serial cable between the PC serial port and the RS-232 port on the WorldCommunicator Modem Unit.

**4** Start the vtLite program by clicking **vtLite** via **Start>Programs>M4**.

**5** Turn ON the Modem Unit.  
If no contact, click **Mode>Terminal MMI** in the vtLite window.  
If still no contact, restart the Modem Unit.





**4** When receiving a satellite signal, a signal strength bar will appear in the search window.

The longer the signal bar or higher the signal strength indicator value, the better the signal quality.

The maximum marker indicates the highest signal strength achieved during the current search.

*Note! It is recommended that the signal strength reading (**S/N=Signal/Noise ratio**) should be at least 420 for 4.8 kbps speech communication, and 520 for other services.*

Clicking **Seek** starts the search again.

If required, select a specific satellite by clicking **New**, or point the antenna directly in the direction of the alternative satellite.

See also **“Selecting default Net provider”** later in this guide.

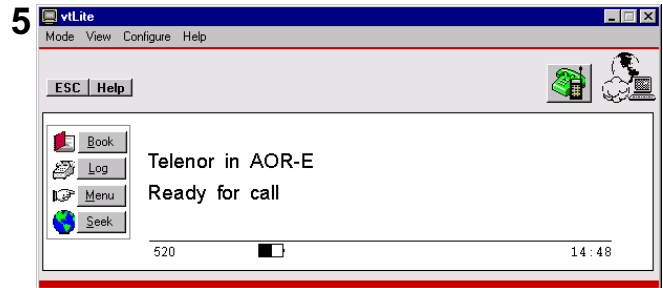
**5** The equipment is ready for use when the **Main window** appears.

**To make a connection, see “Getting Started”**



Signal strength indication

Maximum marker





## General

This function logs all outgoing calls both with and without SIM card inserted. Up to 100 calls can be logged. Every call is logged with:

- subscriber number, start time and duration
- service (voice, fax, data, NIMS)
- Net provider and satellite

The WorldCommunicator *owner* may set the log output mode as follows, (see [Traffic log settings](#)):

- off (stops logging)
- cleared (stops logging and clears the log)
- for automatic printout after 1 or 10 calls (auto print limit).
- for display on the screen
- logging of incoming calls

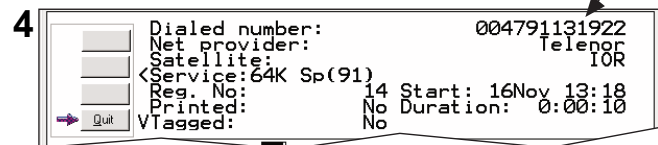
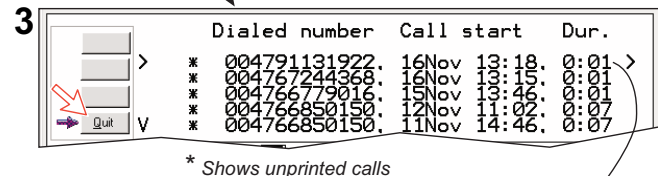
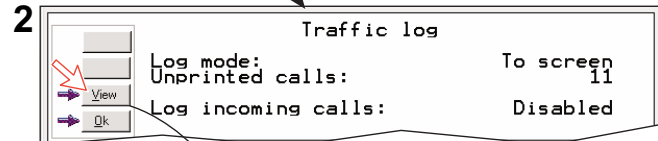
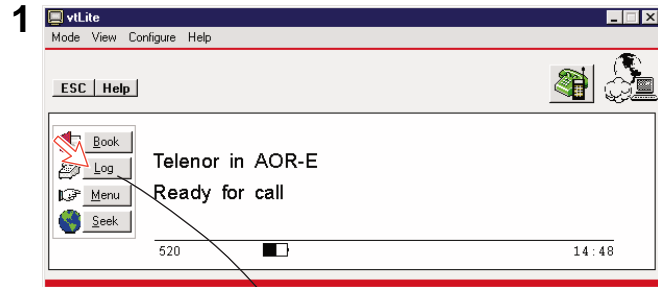
## Traffic log readout

**1** Clicking **Log** opens the Traffic log window.

**2** The Traffic log window shows the current log mode and number of unprinted calls. Clicking **View** displays the list of calls.

**3** Scroll / to wanted call record and click **View** to display details of the selected call.





**4** The call details include data such as dialed number, start of the call and duration. **Quit** reverts to main window.



### Traffic log settings


(owner level only, see [Shifting to owner level](#))

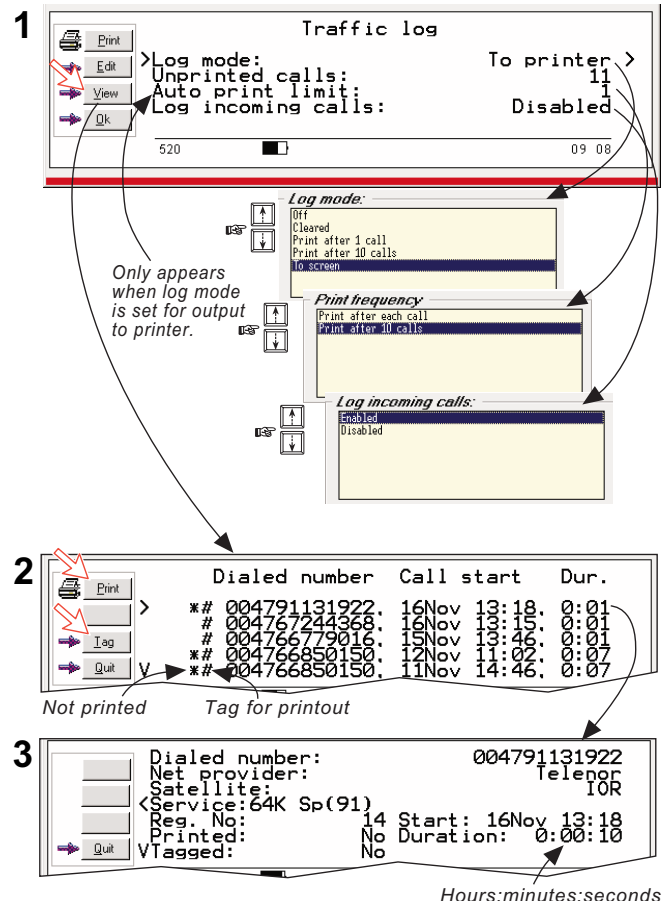
**1** In the Main window, clicking **Log** opens the Traffic log window, which displays the current log mode, number of unprinted calls, print frequency and whether logging of incoming calls is enabled/disabled.

- With **Log mode** selected click **Edit** to choose how to log the call traffic. Scroll / to wanted mode, and click to select.
- Scroll down  to **Auto print limit** and click **Edit** to select automatic printout after 1 or 10 calls (only accessible when the Log mode is set to print, see above).
- Scroll down  to **Log incoming calls** and click **Edit** to enable or disable logging of incoming calls.

**2** Clicking **View** in the Traffic log window (1) opens the list of call records.

**Print** outputs all unprinted calls (marked with a star). Clicking **Tag** marks the selected call with a hash, which adds the record to the printout file. Clicking **Tag** again untags the record.

**3** Pressing  at a record when in window (2) displays detailed call data.



**1** Traffic log window showing settings:

```

Traffic log
-----
Print  >
Edit   >
View   >
Ok     >

>Log mode:
Unprinted calls: 11
Auto print limit:
Log incoming calls: Disabled

520 09 08
    
```

*Log mode:*

- Off
- Cleared
- Print after 1 call
- Print after 10 calls
- to screen

*Print frequency*






- Print after each call
- Print after 10 calls

*Log incoming calls:*

- Enabled
- Disabled

*Only appears when log mode is set for output to printer.*

**2** Call records window:

	Dialed number	Call start	Dur.
	*# 004791131922	16Nov 13:18	0:01
	# 004767244368	16Nov 13:15	0:01
	# 004766779016	15Nov 13:46	0:01
	*# 004766850150	12Nov 11:02	0:07
	*# 004766850150	11Nov 14:46	0:07

Not printed      Tag for printout

**3** Detailed call data window:

```

Dialled number: 004791131922
Net provider:  Telenor
Satellite:     IOR
<Service: 64K Sp(91)
Reg. No:      14 Start: 16Nov 13:18
Printed:      No Duration: 0:00:10
VTagged:      No
    
```

*Hours:minutes:seconds*

### Printout viewer

The viewer lists tagged call records.

Records that have been printed out previously are

marked with a hash.

The record file can be printed out or saved to disk.

For default setup, see **PRINT HANDLING**.

Click to delete record file

Click to save record file

Click for printout

Subscriber number

Start date and time

Call duration in minutes and seconds

Terminal Id

Net service provider

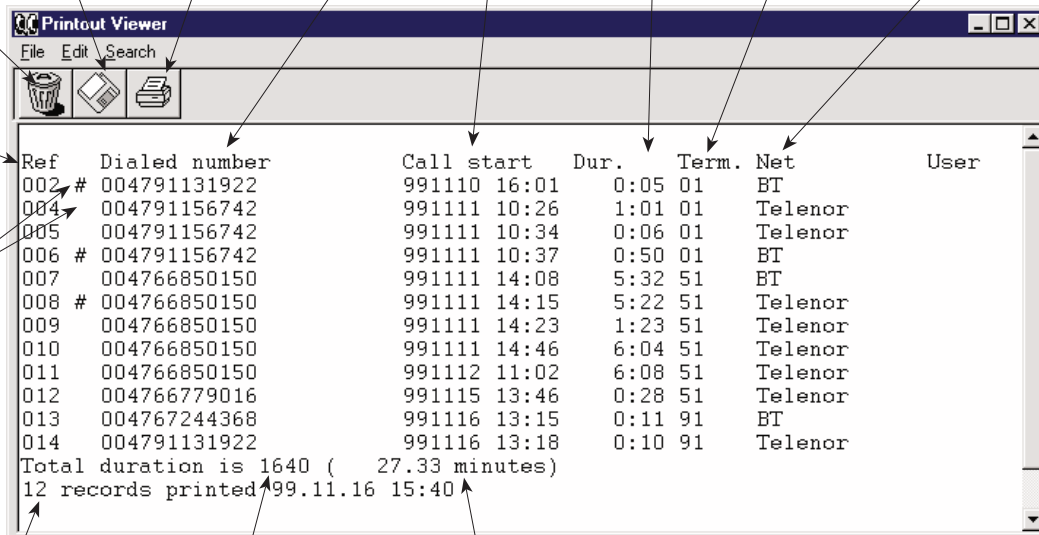
Ref. no.

#: record printed previously. "No hash" when printed first time.

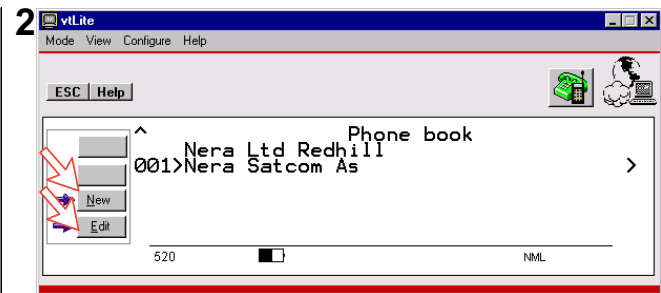
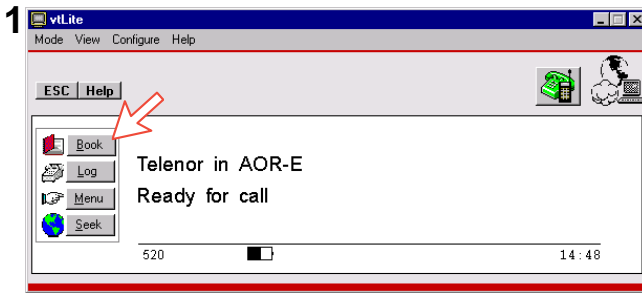
Number of records

Duration in seconds

Accumulated time in minutes and 1/100 of a minute





Ref	Dialed number	Call start	Dur.	Term.	Net	User
002 #	004791131922	991110 16:01	0:05 01	BT		
004 #	004791156742	991111 10:26	1:01 01	Telenor		
005	004791156742	991111 10:34	0:06 01	Telenor		
006 #	004791156742	991111 10:37	0:50 01	BT		
007	004766850150	991111 14:08	5:32 51	BT		
008 #	004766850150	991111 14:15	5:22 51	Telenor		
009	004766850150	991111 14:23	1:23 51	Telenor		
010	004766850150	991111 14:46	6:04 51	Telenor		
011	004766850150	991112 11:02	6:08 51	Telenor		
012	004766779016	991115 13:46	0:28 51	Telenor		
013	004767244368	991116 13:15	0:11 91	BT		
014	004791131922	991116 13:18	0:10 91	Telenor		
Total duration is 1640 ( 27.33 minutes)						
12 records printed						







### General

The Phone Book may store 99 individual phone numbers with names for abbreviated dialing. The names may be up to 29 characters and are sorted by name. The book is also used with the restriction “Dial from book only”, see “[Restricted dialing setup](#)”.

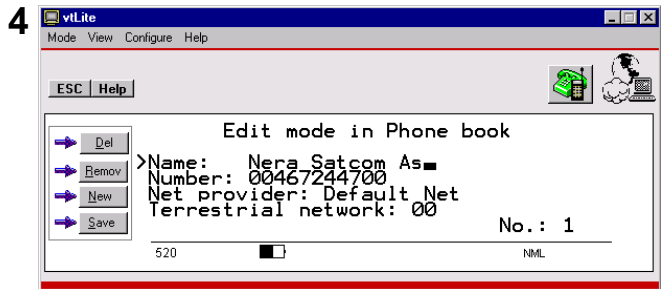
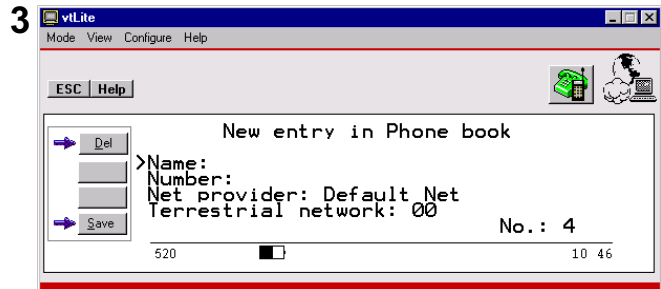
### Abbreviated dialing

- 1 Clicking **Book** opens the **Phone book**
- 2 Scroll through list / to wanted entry.

*Example:* dialing     on the DECT handset or ISDN keypad fetches and sends the telephone number stored under short number 001.

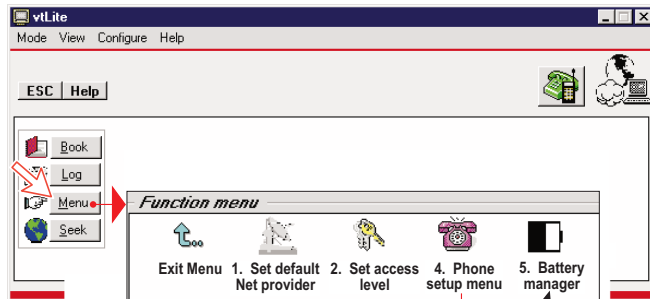
### Editing or adding entries

- 3 Click **New** to add an entry to the book. Use **Del** to modify. **Save** stores the new entry.
- 4 Click **Edit** to make changes to the Phone book . Use **Del** to modify and **Remov** to erase the entry.





The diagram provides an overview of the functions. Point at icons and click the mouse to open menus and functions.



**Function menu**

- Exit Menu
- 1. Set default Net provider
- 2. Set access level
- 4. Phone setup menu
- 5. Battery manager
- 8. Precharge
- 9. Advanced functions
- Mail
- Lock

*Only appears when Diagnostics is ON*

**4 - Phone setup menu**

- Exit Menu
- 1. Backlight control
- 2. Call duration guard
- 4. Set system clock
- 5. Lock code

*Only editable when Restrict SIM usage is set for no SIM or specific SIM.*

**9 - Advanced functions menu**

- Exit Menu
- 1. Access control
- 4. Alarms and messages
- 6. Satellite setup
- 7. Configuration
- 8. Information available
- 9. Customize

*Only appears when Diagnostics is ON*

*Only appears in OWNER level.*

**91 - Access control menu**

- Exit Menu
- 1. Restrict dial
- 3. Restrict SIM usage

**97 - Configuration menu**

- Exit Menu
- 1. ISDN configuration
- 2. Net service providers
- 3. Power conservation
- 4. Set diagnostics

**98 - Information available**

- Exit Menu
- 2. Misc. version I...
- 9. Network status inf...

**99 - Customization menu**

- Exit Menu
- 1. Paid functions
- 2. Phone name setup

**Function reference list**

— Reference number for direct selection. Click menu in main window and then key in the number.

Ref.	Function	Features
1	<b>Set default Net provider</b>	Allows changing Net service provider (and terrestrial network). See " <b>Selecting default Net service provider</b> ".
2	<b>Set access level</b>	Allows shifting between user level and owner level, changing phone/SIM PIN code and owner password. See " <b>Access level</b> ".
4	<b>Phone setup menu</b>	See " <b>Phone setup</b> ".
41	Backlight control	Sets display backlight on/off time.
42	Call duration guard	Sets maximum call duration.
44	Set system clock	Sets Modem time and date.
45	Lock code	Sets function lock.
8	<b>Precharge</b>	Allows preprogramming of total call duration. See " <b>Precharge</b> ".
9	<b>Advanced functions</b>	See " <b>Advanced functions</b> ".
91	<b>Access control menu</b>	See " <b>Advanced functions&gt;Access control</b> ".
911	Restrict dial	Only allows calls from Phone Book. List of barred numbers may be established.
913	Restrict SIM usage	Only allows calls with specific card, no card or any card.
97	<b>Configuration menu</b>	See also " <b>Advanced functions&gt;Configuration</b> ".
971	ISDN configuration	Chooses between ISDN protocols.
972	Net service providers	Changing Net service provider data.
973	Power conservation	Enables conservation of battery power during communication.
974	Set diagnostics	Allows additional system information to be displayed
98	<b>Information available</b>	See " <b>Advanced functions&gt;Information available</b> ".
982	Misc. version Id information	Displays a series of version information windows.
983	Network status information	Displays various network status information.
99	<b>Customization menu</b>	See " <b>Advanced functions&gt;Installation</b> ".
991	Paid functions	Installs additional functions, if any.
992	Phone name setup	Allows altering the factory and phone name.

## General

The WorldCommunicator user program (vtLite) is accessible from two levels:

- **USER LEVEL** – accessed by Phone PIN or SIM PIN.

*Note! If the **Phone PIN** is accidentally lost, it is possible to reset the user's password to default (1234) by logging in as owner:*

"Phone PIN:  + owner's password"  
(Resetting is not possible on SIM card.)

- **OWNER LEVEL** – accessed by owner level password.

*Warning! To prevent misuse, passwords other than default must be entered before putting the WorldCommunicator in operation.*

## Changing phone PIN:

**1** Click the **Set access level** icon on the **Function menu**.

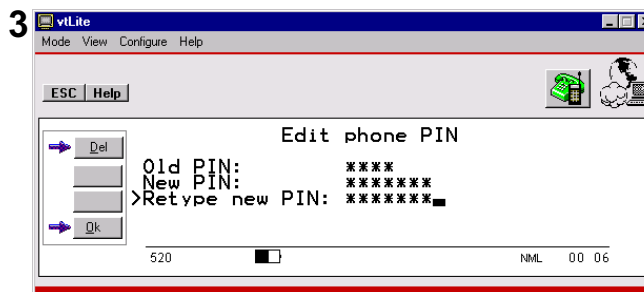
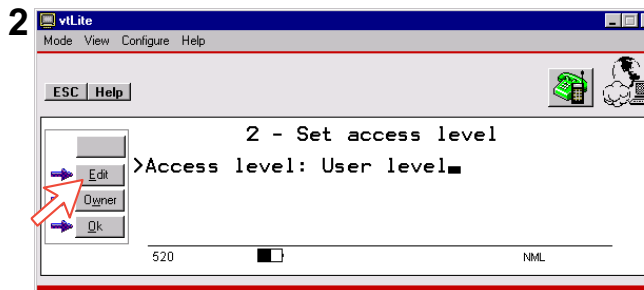
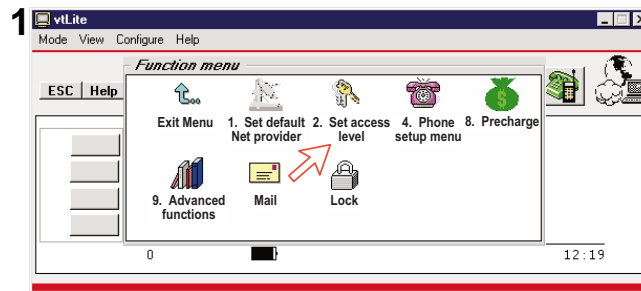
**2** Click **Edit** to modify the Phone PIN code.

**3** Key in:

- Current PIN code
- New PIN code
- Retype to confirm

Click **Ok** following each entry and to store new code.

*Note! Clicking **Ok** without entering any numbers for **New PIN** and **Retype new PIN** disables the SIM PIN/Phone PIN. NB! The **Old PIN** code must be entered to reactivate the SIM PIN/Phone PIN.*



### Functions requiring owner level

Programming of the functions below requires that the user access is set to **OWNER LEVEL**:

- Traffic log
- Set default Net provider
- Precharge
- Restricted dial
- Restricted SIM usage
- ISDN configuration
- Paid functions
- Phone name setup

### Shifting to owner level

- 1 Click **Owner** in **Set access level** window.
- 2 Key in the password.

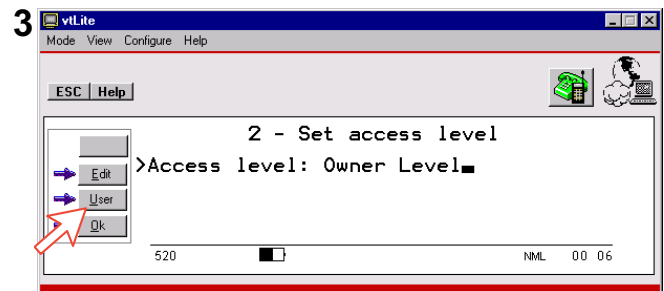
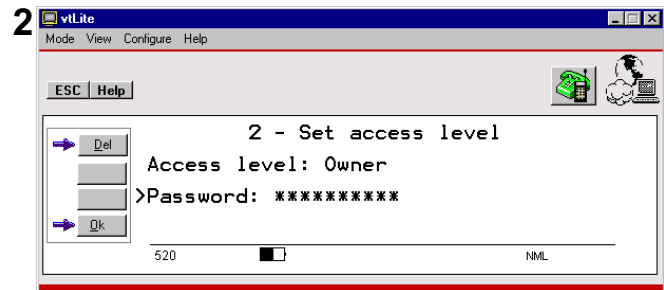
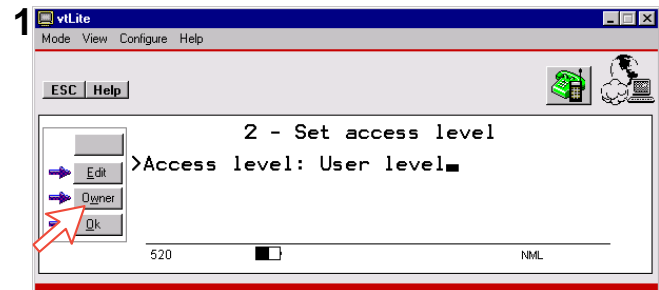
*Note! The default password is: 1 2 3 4 5 6 7 8 9 0*  
Clicking **Ok** activates the **Owner level**.

### Changing owner level password

- 3 Open the **Set access level** window again, and click **Edit** to modify the owner password. Key in:
  - Current password
  - New password (10 – 12 digits)
  - Retype to confirm

Click **Ok** following each entry and to store new password.

To revert to **User level**, open the **"Set access level"** window and click **User**.



## General

The default Inmarsat Net service provider (NSP) for a satellite (Ocean Region) is automatically used if the user does not select another one when making a call.


Make sure that you choose the Net service provider who commissioned the equipment. You will otherwise be barred or charged additional rate.




Default Net service providers can be preprogrammed from the PC for *all* Ocean Regions, see below.

*When using SIM card, selection is automatically restricted to one of the allowed Net service providers and does not need to be programmed!*

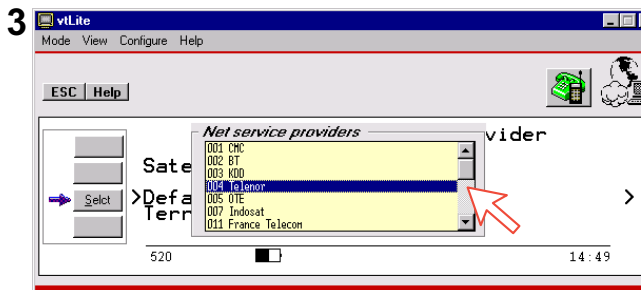
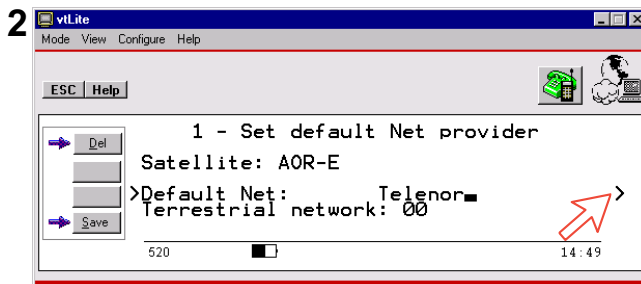
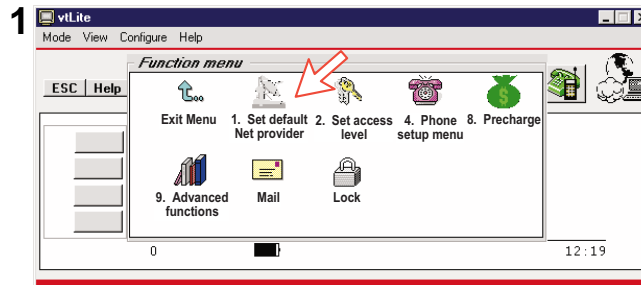
## Default Net service provider

**1** On the **Function menu**, double-click the **Set default Net provider** icon to display the current selections.

**2** Pressing  displays the list of available Net service providers.

**3** Scroll to required Net provider: /, and press  to enter chosen Net as default.

**Save** stores the selected Net provider for this satellite (Ocean Region).



## General

This function allows as follows:

- Conserving battery power by setting the ON-time of the Modem Unit display backlight to “60 secs” or “Always off”, (see below).
- Limitation of call duration (see next page).
- Setting date and time (see next page).
- Activating the **Key lock** which prevents unauthorized use, (see following pages).

Double-click the **Phone setup menu** icon in the **Function menu** to access the functions:

## Backlight control

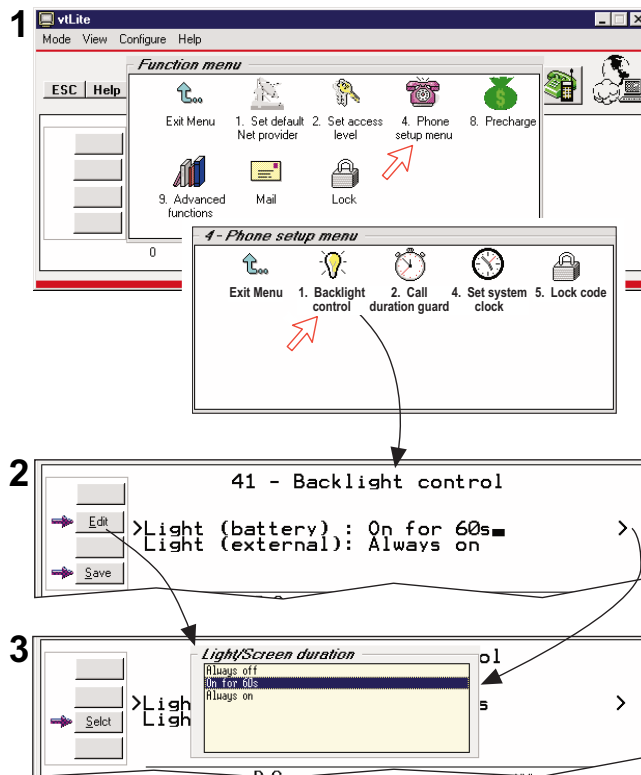
**1** Clicking the **Backlight control** icon allows setting of the display light mode.

**2** The display light can be set individually for battery operation, or external power. Use **↑/↓** to select and click **Edit** to modify.

**3** Use **↑/↓** to scroll through choices:



- Display light always OFF.
- Display light ON for 60 seconds. Turns ON again when operating Modem buttons.
- Display light always ON.

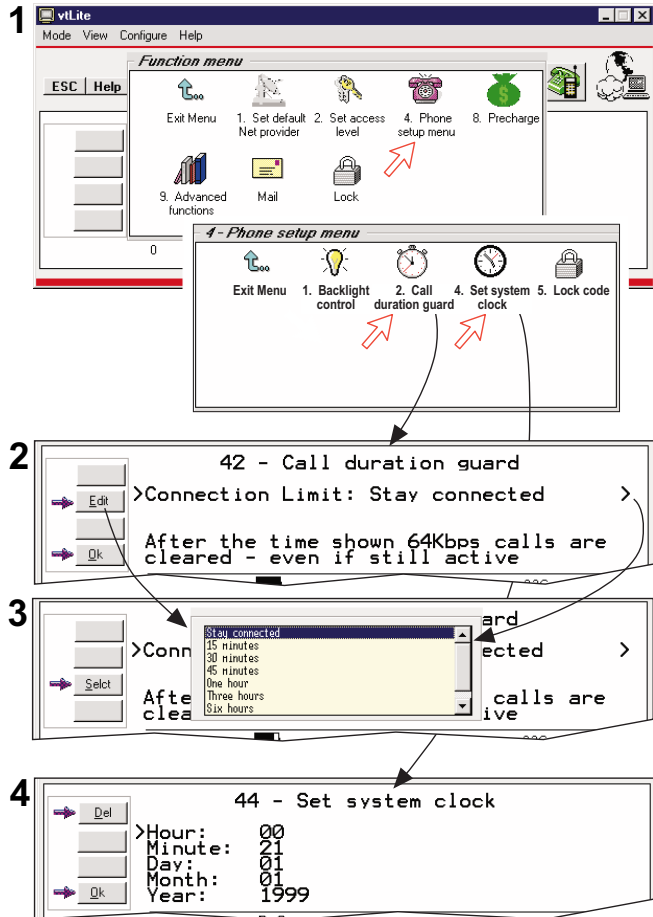
Clicking **Select** and **Save** stores the selected light mode.



### Setting call duration limit


The call duration guard prevents accidental transmission of prolonged 64 kbps calls. The timer sets the point at which the call is automatically cleared:

- 1 Click the **Call duration guard** icon
- 2 Click **Edit** to set the timer.
- 3 Scroll / to select the required limit (either "Stay connected" or in steps between 15 minutes and 12 hours), and click **Select** to store the setting.



### Setting date and time

The function sets the time displayed in the window:

- 1 Click the **Set system clock** icon.
- 4 Scroll  down through entries and key in new data. Use **Del** to modify. Clicking **Ok** stores the selected settings.

*Note! The WorldCommunicator is now restarted.*

## Setting key unlock code

The terminal lock function prevents unauthorized use when the WorldCommunicator is ON, but still allows reception of incoming calls.

Entering the **Unlock code** unlocks the phone.

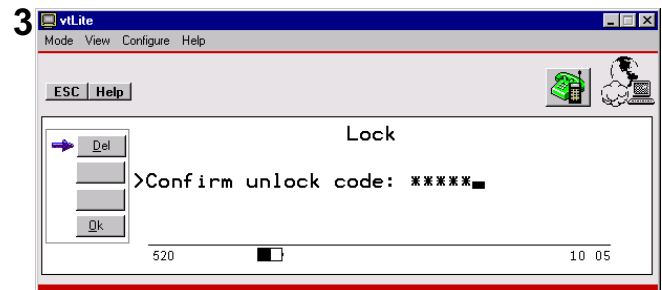
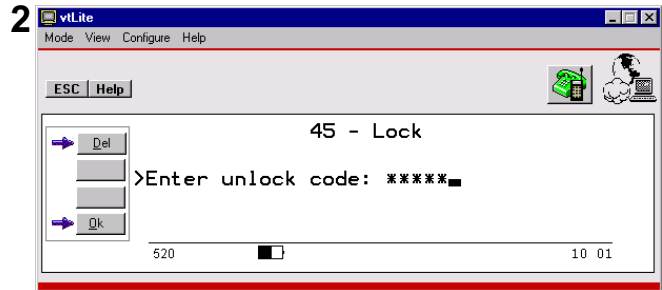
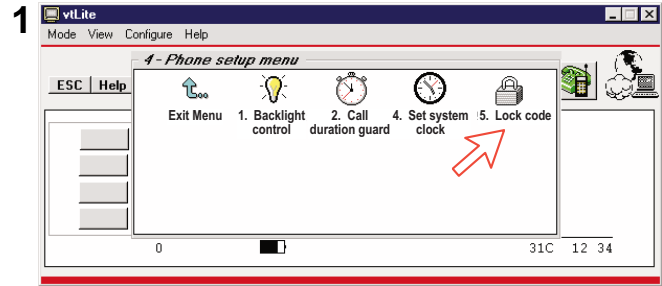
Entering a login password (Phone PIN / SIM PIN) will also unlock the phone.

The terminal lock function is only accesible when the WorldCommunicator is restricted for use with a **specific SIM card**, or with **no SIM**. See [Advanced functions: Restricted SIM usage](#).

*Entering code:*

- 1 Click the **Key lock code** icon in the **Phone setup menu**.
- 2 Enter the **Unlock code** (1 - 6 digits).
- 3 Repeat code to confirm.

*When the code is set, the **Lock** icon on the function menu must be clicked to **activate** the terminal lock function.*



## General

For use with SIM, see "[Precharge on SIM card](#)".  
The WorldCommunicator can be preprogrammed with a total call duration limit of up to **44640 minutes** (744 hours).

The function is intended to be used for rentout services. The precharge period may be set to f.ex. 1 hour, which limits the on air time accordingly.

When in user level, the Precharge function only appears in the menu when enabled, i.e when bought time is loaded, see following pages.

## Owner loads Precharge time

Set the WorldCommunicator in **owner level**.

**1** Click the **Precharge** icon on the **Function menu**.

**2** Click **Buy** to key in a new time limit.

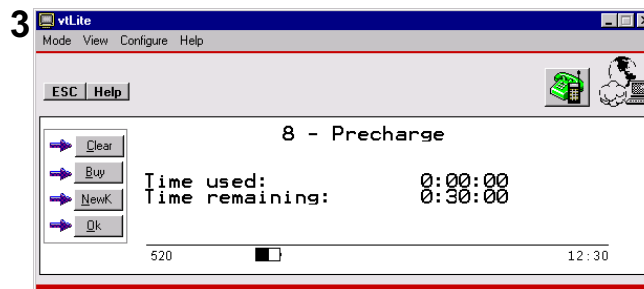
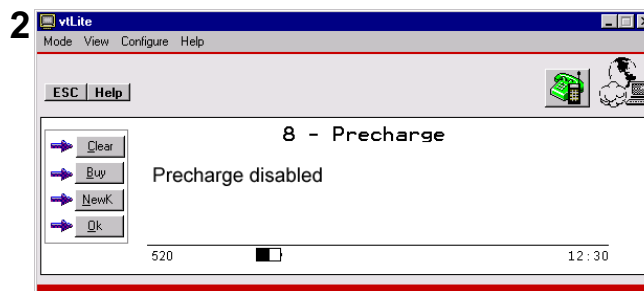
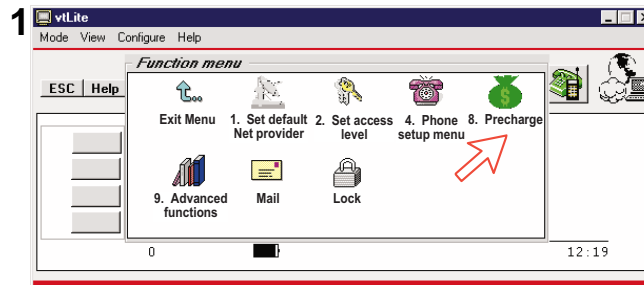
Enter the required number of minutes and click **Ok**.

Clicking **Clear** disables the Precharge function: *The Precharge menu entry is now no longer visible from user level.*

Precharge is *enabled* when buying minutes.

**3** The Precharge window now displays the time used and the call time available after entering a new time limit.

*NB! Remember to revert to **user level**.*



**Comment**

Using Precharge function as described on the previous page works well for rental services. However, an optional **Precharge Remote** software is available that allows the owner to program call time into the Modem Unit.



The program allows the person renting the WorldCommunicator to contact the owner from a remote location. A key is conveyed to the user that adds the required time into the Modem Unit.

Contact your agent for more information about the **PC software: Precharge Remote**.

**Precharge on SIM card**

When using SIM card, any Precharge set on the WorldCommunicator itself is overridden. If no Precharge is set on the SIM card, the WorldCommunicator may be used freely.

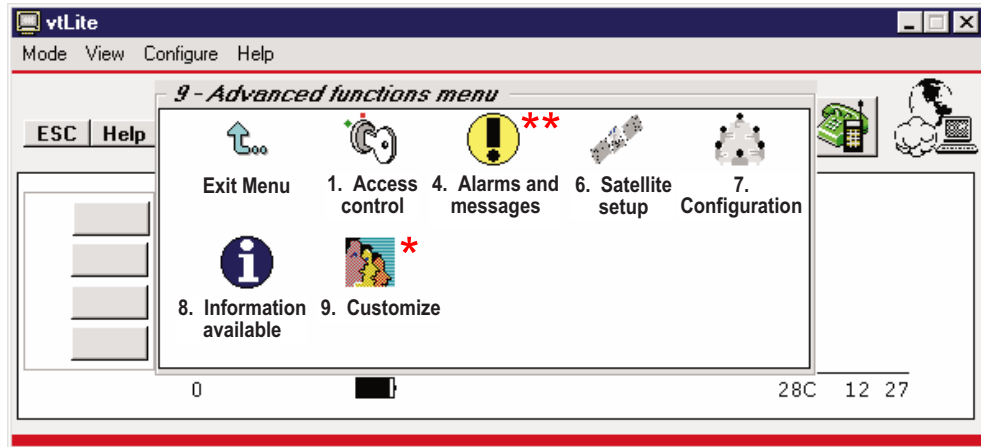
**Precharge remote code handling:**

OWNER	USER
<ul style="list-style-type: none"> <li>• Before a WorldCommunicator may be rented, the owner must register the terminal in the data base of the Precharge Remote program, which is used to generate more precharge minutes for the user.</li> <li>• The owner uses the Precharge Remote program to generate the <b>Precharge code</b> for the user to enter into the WorldCommunicator.</li> <li>• The owner reads or sends the new <b>Precharge code</b> to the user. </li> </ul>	<p><i>More call time is needed:</i></p> <p>When wishing to buy more call time, the user conveys the requested <b>call time</b> to the owner:</p> <ul style="list-style-type: none"> <li>• the user calls the owner via short number 00,  <i>The short number 00 is preprogrammed by the owner before rental. This number is the only one the user is allowed to call when out of call time.</i></li> <li>• or sends telefax or mail.</li> </ul> <p>The user keys in the new <b>Precharge code</b> provided by the owner.</p>

\* Some Advanced functions are accessible from **OWNER LEVEL** only.

The OWNER LEVEL is protected by password. For shifting to owner level and assignment of password, see "**Access level**".

\*\* Other Advanced functions are accessible when **Diagnostics** is turned ON.



*The Advanced functions include as follows:*

- **Access control:** Restrict dial  
Restrict SIM usage
- **Satellite setup**
- **Configuration:** Net service providers  
Power conservation  
Set diagnostics
- **Information available:** Misc. version Id information  
Network status information  
(when diagnostics is ON, see **Configuration: Set diagnostics**)
- **Customize:** Phone name setup (owner level)

## Restricted dialing

The restricted dialing function allows the owner to establish a Barred list of subscriber numbers that cannot be called; or set the WorldCommunicator for dialing from Phone Book only. The restricted dialing modes prevent misuse of the WorldCommunicator:

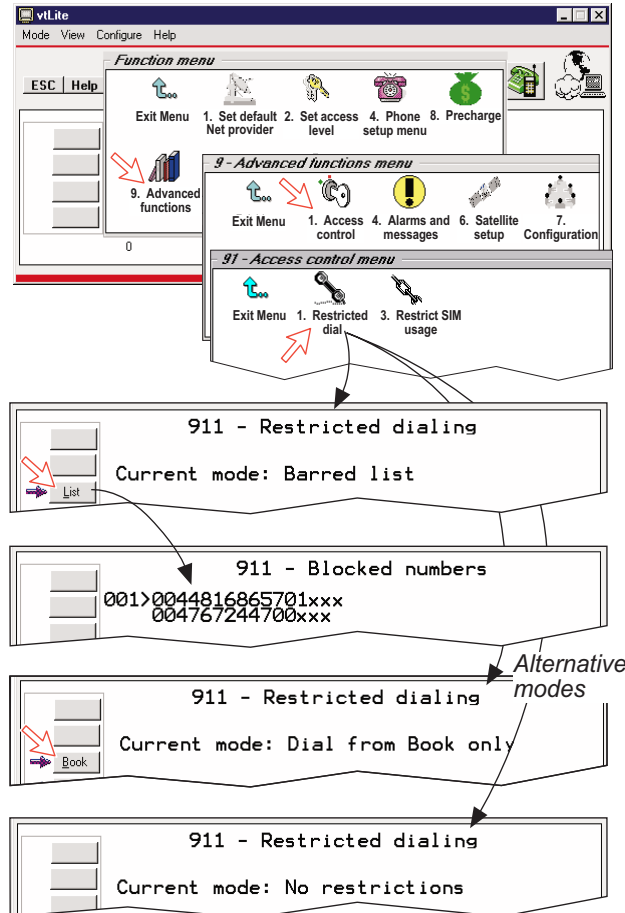
- **Barred list**, which may contain up to 10 phone numbers or part of numbers that **can not** be called. F.ex. the entry "0087" in the barred list prevents all mobile-to-mobile calls.
- **Dial from Book only**, which restricts calls to the numbers in the WorldCommunicator Phone Book. It is still possible to append: an entry with number field "0047" means that it is possible to dial all Norwegian numbers. When a SIM card is inserted, the SIM entries will **not** be merged with the "phone" entries. The function is active for non-SIM operation and for one specific SIM card, see **"Restricted SIM usage"**.
- **No restrictions**.

Only one mode can be active at one time, as selected by the owner, see next page.

### Checking the dialing setup

Via the **Function menu > Advanced functions menu**, double-clicking the **Restrict dial** icon on the **Access control menu** shows the active mode:

- *Barred list*
- *Dial from Book only*
- *No restrictions*

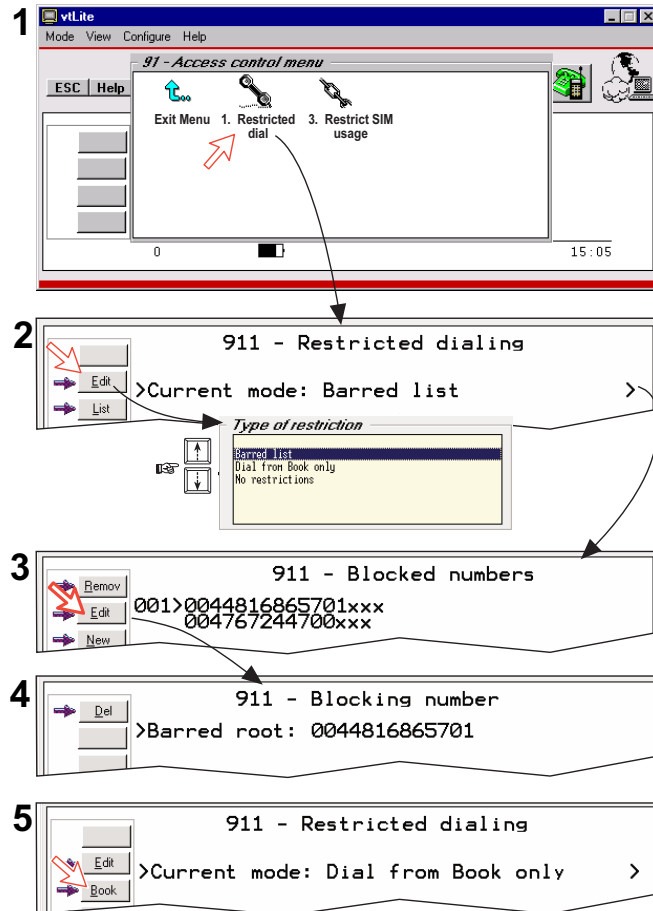


## Restricted dialing setup (owner level only)

"Barred list" and phone book are established as follows:

- 1 Open the **Restricted dial** window as shown on the previous page.
- 2 The **Restricted dialing** window shows which list is currently active.  
**Edit** allows selection of restriction mode.  
Scroll up/down to select:  
(**Selct** enters the chosen mode)
- 3 Clicking **List** displays the blocked phone numbers.
- 4 Clicking **Edit** allows the barred number to be modified:  
The field is empty when clicking **New** to add a phone number to the list.  
**Remove** deletes number.  
**Save** stores the changes.
- 5 When the restriction mode "Dial from Book only" is active, clicking **Book** allows data to be entered.

*NB! Remember to revert to user level*



## Restricted SIM usage

### Allowed SIM

The WorldCommunicator can be set to operate from:

- Lock SIM, locked to one specific SIM card. Any other SIM user will be rejected.
- No SIM card. All SIM users will be rejected.
- Any SIM card.

## Setting SIM restrictions *(owner level only)*

**1** Click the **Restrict SIM usage** icon.

**2** The SIM restrictions window shows an example with the setting **Allowed SIM: No SIM**.

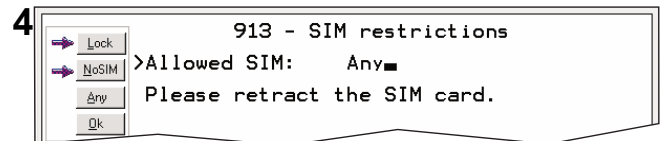
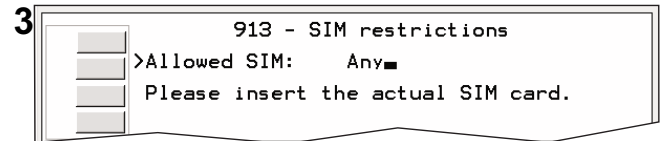
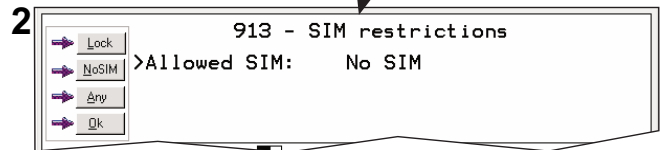
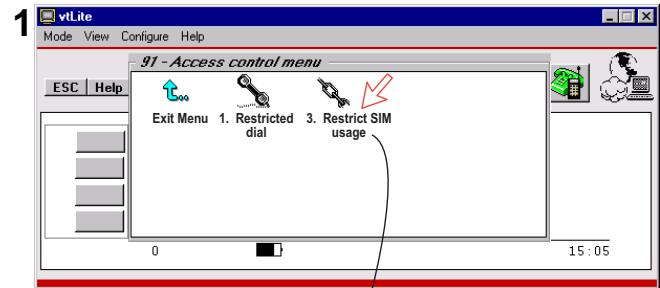
Click **Any** (default) to set the WorldCommunicator for operation from a specific card only.

### Lock SIM:

**3** Click **Lock** and insert the actual SIM card. The WorldCommunicator can now be operated with that specific card only.

**4** When retracting the card, the Id of the SIM provider is displayed.

**Ok** stores the settings.










## General

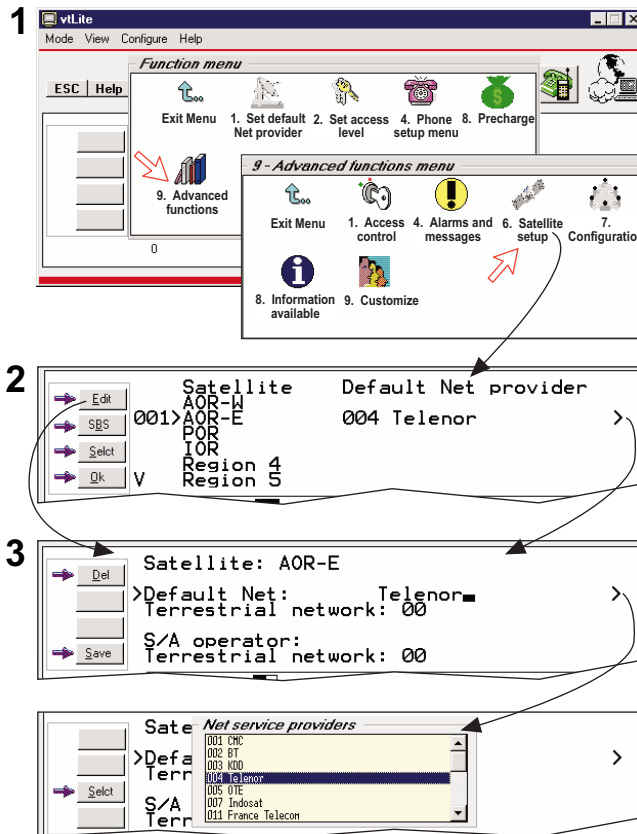
The satellite setup function allows preprogramming of **default Net service provider, S/A operator** (Stand Alone operator) and **terrestrial network** for each satellite region (Ocean Region).

When using a SIM card, the above data are already preprogrammed.

*Procedure:*

- 1** Via the **Function menu**, double-clicking the **Satellite setup** icon in the **Advanced functions menu** opens the list of Satellites and preprogrammed Default Net providers.
- 2** Scroll / to required region. Clicking **Edit** opens the window for default settings (**3**). The example shows that Telenor has been selected as default provider for the AOR-E region.
- 3** Press  to change Net provider and networks for the individual satellite. Pressing  displays the list of available providers. Scroll / to the required Net provider and click **Select** to store the chosen network as default.

If required, scroll down  for entering of Terrestrial network, and S/A operator with corresponding Terrestrial network. *Normally not necessary.*



## ISDN configuration

Choose **Euro ISDN** for connection of equipment conforming to the European ISDN standard.



For equipment conforming to the NI-1 standard (National ISDN-1), choose the **NI-1** protocol.

**1** Via the **Function menu > Advanced functions menu**, double-clicking the **ISDN configuration** icon in the **Configuration menu** displays the ISDN protocol implemented in the WorldCommunicator.

## Net service providers (owner level only)

Adding, editing, or removing entries in the list of Net service providers:

**1** Via the **Function menu > Advanced functions menu**, double-clicking the **Net service providers** icon in the **Configuration menu** displays the list of Net service providers including their station codes.

**2** Scroll to required Net service provider,   and click **Ok** to select.

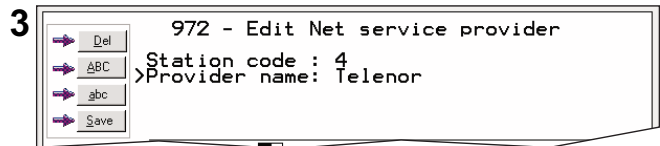
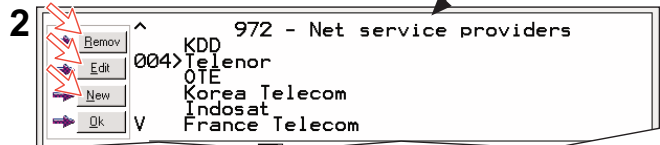
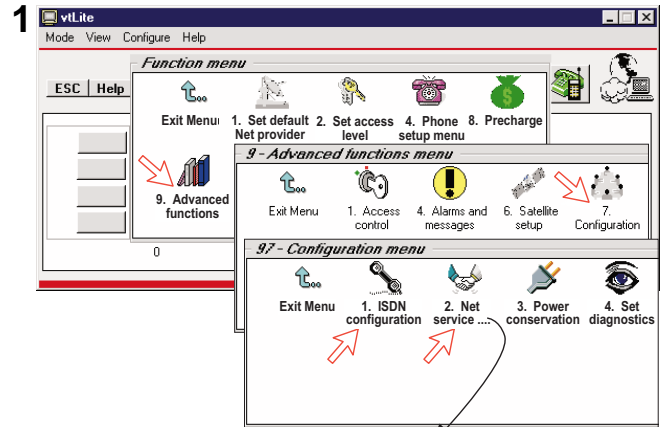
**Remov** deletes entry. Clicking **Edit** allows the station code and provider name to be modified **(3)**.

Click **New** to add station code and provider name to the list **(4)**.

**3** Click **ABC** or **abc** to enter uppercase/lowercase letters as required. Use **Del** to modify.

**Save** stores the changes.

*NB! Remember to revert to user level.*



## Power conservation

Battery power can be conserved during calls. The conservation can be enabled/disabled or set to Auto mode.

When set in Auto mode, the conservation facility is automatically enabled when using the internal battery supply and disabled when connected to an external power supply.

The communication may be slightly impaired with power conservation enabled.

**1** Double-click the **Power conservation** icon via the **Function menu > Advanced functions menu**.

**2** **Enable/Disable** power conservation when connected, as required.

**Auto** reduces drain when using battery.

**Save** stores new entries or modifications:

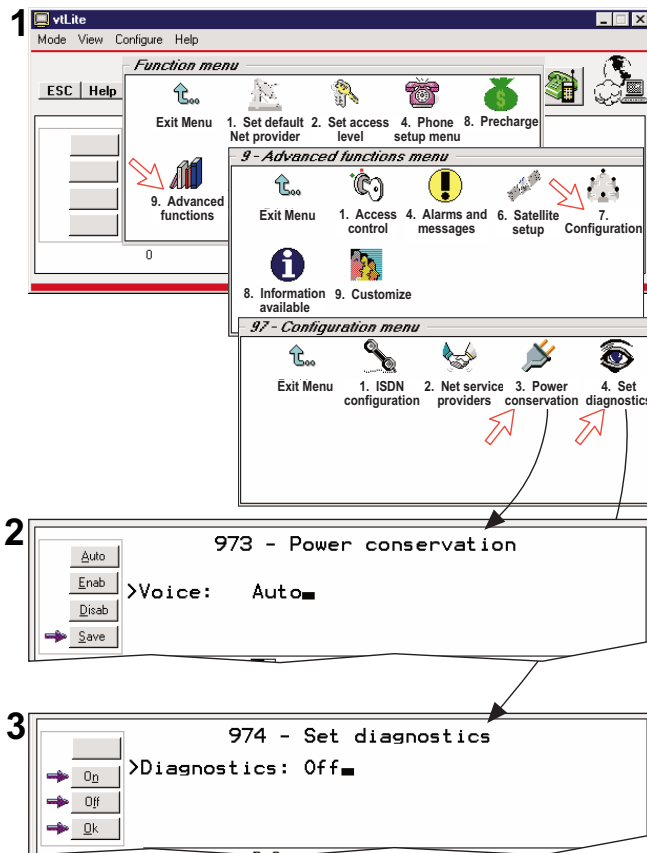
## Set diagnostics

Additional system information is displayed when diagnostics is turned **On**.

See also **FUNCTIONS** overview.

**1** Double-click the **Set diagnostics** icon via the **Function menu > Advanced functions menu**.

**3** Click **On** or **Off** as required.



### Miscellaneous version Id information

The **Information available** function displays the terminal forward Id and system versions.

**1** Via the **Function menu > Advanced functions menu**, double-clicking the **Miscellaneous version Id information** icon in the **Information available** menu displays the available data (**2**).

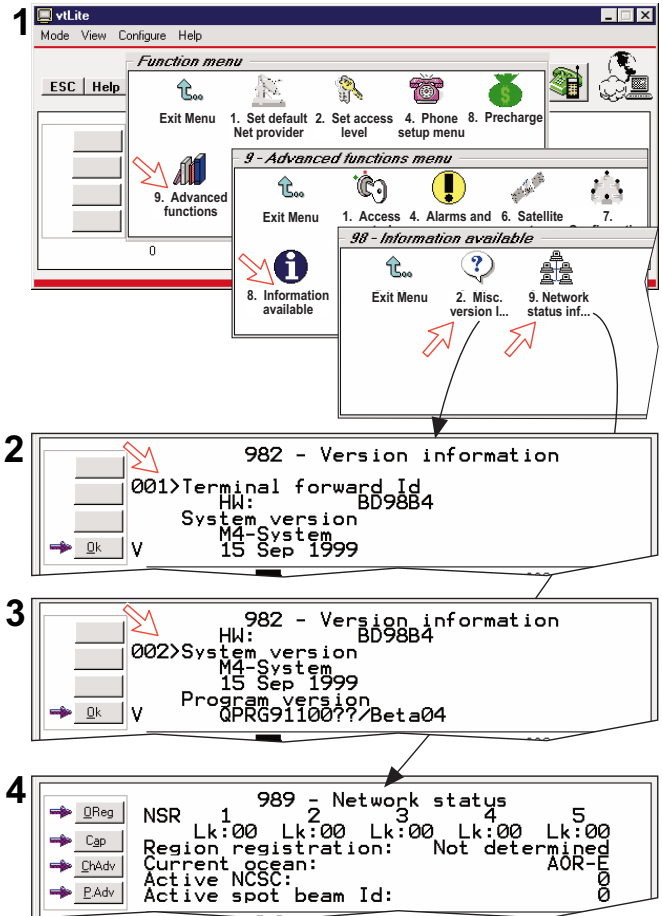
**3** With **Diagnostics On**, pressing **↓** opens a series of version information windows.

### Network status information (owner level only)

This function displays various network status information.

**4** Double-click the **Network status information** icon in the **Information available** menu for readout.

*NB! Remember to revert to user level.*

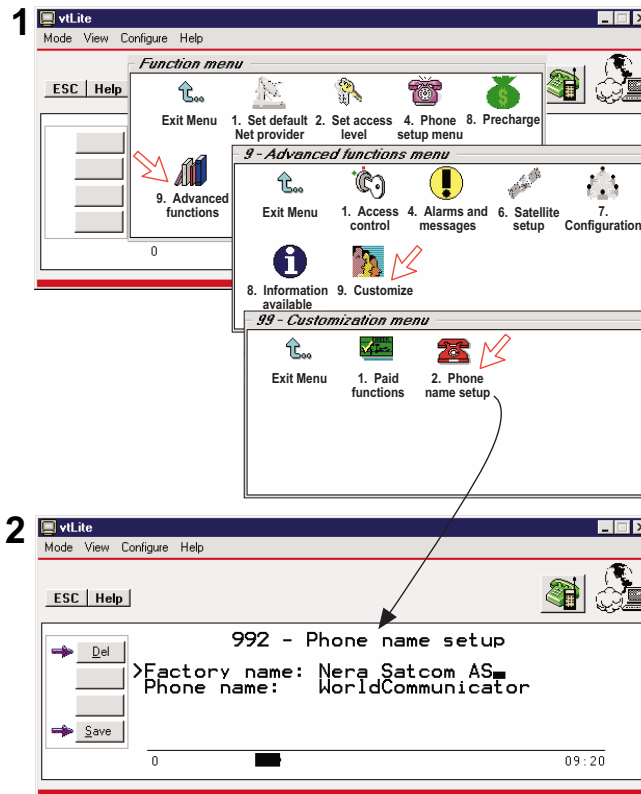


## Phone name setup (owner level only)

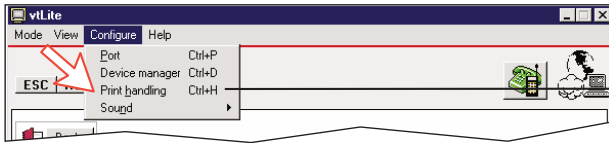
**1** Via the **Function menu > Advanced functions menu**, double-clicking the **Phone name setup** icon in the **Customization menu** displays the manufacturer and name, i.e. WorldCommunicator.

**2** Key in uppercase/lowercase letters as required. Use **Del** to modify. **Save** stores the changes.

*NB! Remember to revert to user level.*



## Setup



The **Printout from modem** window is used for setting of default output of Traffic log, Modem configuration etc.

Clicking **Configure > Print handling** opens the **Printout from modem** window. The following settings are selectable:

### Default print action:

Normally, choose **Print to screen** which causes the file to be output via the Printout viewer. *For an example, see [TRAFFIC LOG > Printout viewer](#).*

For direct printout, choose **Print to default windows printer**.

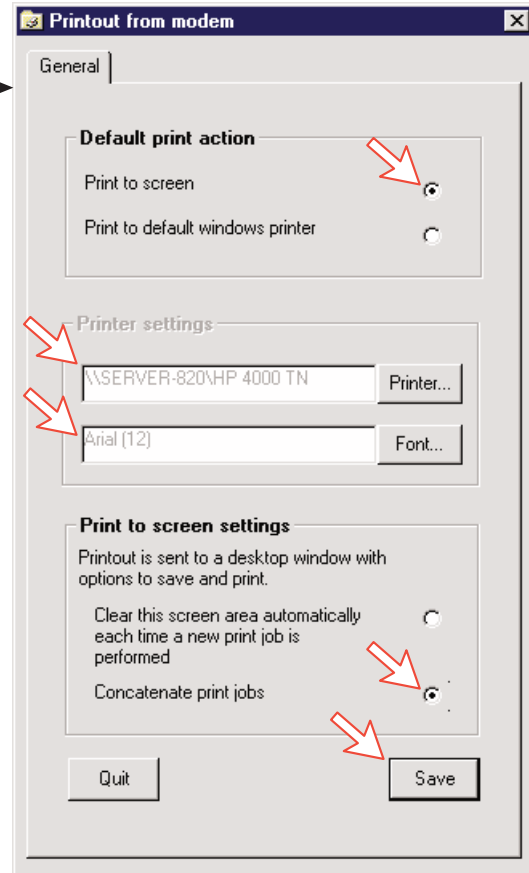
### Printer settings:

For hardcopy printout, make sure that the appropriate printer and font are selected.

### Print to screen settings:

Determines the output of records via the Printout viewer. Normally, use **Concatenate print jobs** which “chains” the jobs to be printed or saved to file.

The alternative choice clears the screen after each printout.







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CHANGING THE WAY WE COMMUNICATE

**NERA**  
TELECOMMUNICATIONS