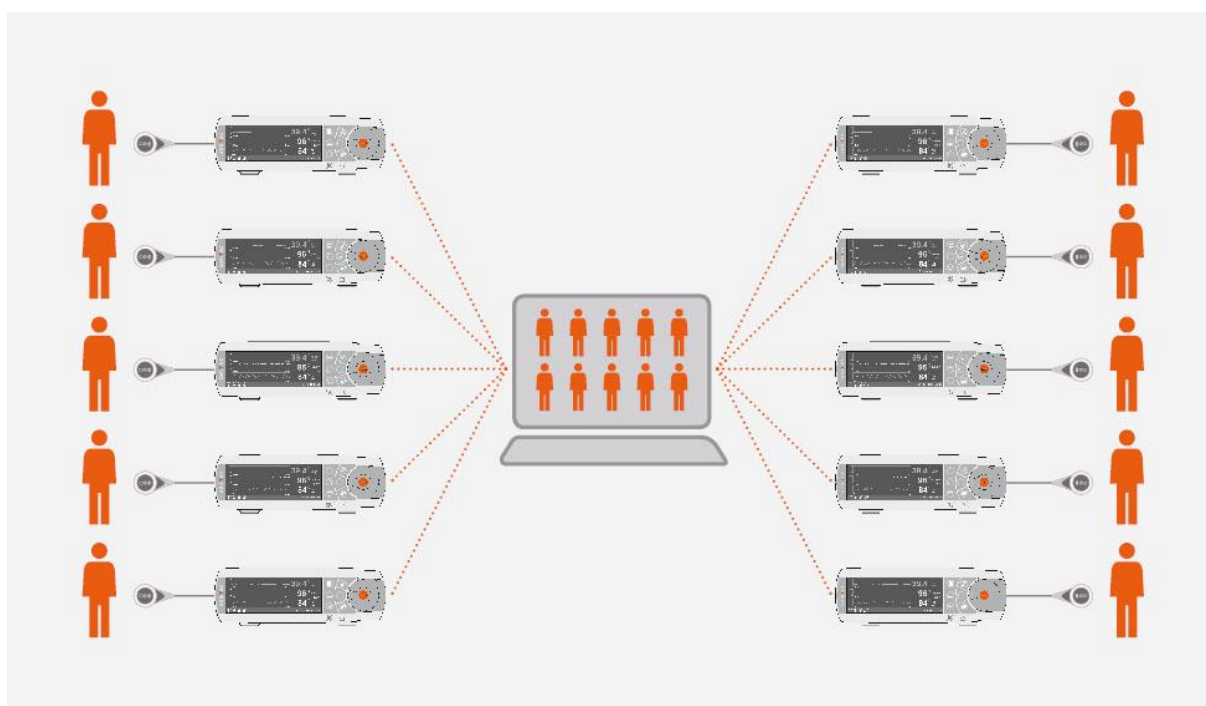# Installation Manual

for

V-STATS 4.01

with

V-CareNeT Package

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HB-006144-g

Compatibilities

1. Compatibility of V-STATS 4.01 with SDM firmware versions

V-STATS 4.01 is compatible with SenTec Digital Monitors (SDMs) with firmware version SMB-SW V07.03.x., V08.00.x. or V08.01.x. The SMB firmware version is indicated in the SDM's menu 'System Information'.

> *Note: V-STATS 4.01 supports <u>communication via the serial interface</u> only for SDMs with firmware versions SMB-SW V07.03.x, V08.00.x or V08.01.x. You must use V-STATS 3.01.1, 3.01, 4.00 or 4.00.1 if your SDM uses firmware version SMB-SW V07.03.x, V07.02.x, V07.01.x, V07.00.x or V06.21.x. Contact your local SenTec distributor regarding V-STATS compatibility with older SDM firmware versions.*

> *Note: V-STATS 4.01 supports <u>V-CareNeT</u> only for SDMs with firmware versions SMB-SW SMB-SW V07.03.x, V08.00.x. or V08.01.x. Contact your local SenTec distributor to use V-CareNeT with SDMs with firmware version SMB-SW V07.03.x, V07.02.x, V07.01.x, V07.00.x. If your SDM uses a firmware version prior to SMB V07.00 V-CareNeT cannot be used.*

> *Note: V-STATS 4.01 only supports <u>import of SDM Trend Data</u> or <u>'.vex-files'</u> if the included data has been downloaded from the internal memory of a SDM with firmware version SMB-SW V07.03.x, V08.00.x or V08.01.x. Use V-STATS 3.01.1, 3.01, 4.00, 4.00.1 to import SDM Trend Data if the included data has been downloaded from the internal memory of a SDM with firmware versions SMB-SW V07.02.x, V07.01.x, V07.00.x or V06.21.x. Contact your local SenTec distributor regarding import of SDM Trend Data including data that has been downloaded from SDMs with older firmware versions.*

2. System requirements

V-STATS 4.00 can be installed on most PCs. The minimum system requirements are:

	V-STATS (without using V-CareNeT)	V-STATS with V-CareNeT activated
CPU	2 GHz and higher	Multi core at 2 GHz and higher
Operating System	Microsoft Windows XP, Vista, 7 (32 and 64 bits), 8 (32 and 64 bits), 8.1 (32 and 64 bits)	Microsoft Windows XP, Vista, 7 (32 and 64 bits), 8 (32 and 64 bits), 8.1 (32 and 64 bits)
Memory	4 GB	4 GB
Free space on hard disk	1 GB	1 GB
CD ROM	YES	YES
Communication Port (Serial or Serial via USB2Serial Converter USB 2.0)	YES	YES
Network connection	Recommended	100/1000 Mbit BaseT
Screen	XGA (1024 x 768)	approx. 1024 x 768 for 5 beds approx. 1152 x 864 for 10 beds approx. 1600 x 1024 for 20 beds approx. 1920 x 1200 for 30 beds approx. 2560 x 1440 for 40 beds smaller resolutions will support fewer beds
AUDIO	Recommended	Integrated speaker system required for auditory alarm signals
Printer	Recommended	Recommended

Installation and Configuration

3. Installation of V-STATS 4.01 on a PC

To install V-STATS 4.01 on a PC proceed as follows:

• Switch on your computer and start Windows

• Insert the V-STATS installation CD into the CD-ROM

• Open Windows Explorer, select the CD-ROM drive, and double-click on **setup.exe** to start the installation.

• Select the desired language

• Click on `Installation Manual´ if you want to open the installation manual as .pdf file and then on `Next´ to resume the installation

• A 'License Agreement Dialog' displays. Press 'I Agree' to accept the license terms and to continue installation. If you press 'I do not agree' the installation of V-STATS will be aborted. Press 'Print' to print the license terms.

• Carefully read the dialog with information regarding V-STATS compatibility with SDM firmware versions open and click `yes´ to acknowledge the information and to resume the installation

• Select the target drive

  Note: All necessary files will be copied in the folder 'Target Drive:\fg\vstats'. Please note, that the installer will not overwrite existing measurement files and patient data if a V-STATS license is already installed on the target drive.

  Important Note: *During use V-STATS will read or write access certain files within the folder 'Target Drive:\fg\vstats'. To work with V-STATS, every user needs full access rights to this folder after installation.*

• If a V-STATS license is already installed on the target drive.

  a) the message 'Take over the settings of the present installed version?' prompts. Press 'Yes' to take over the settings. To install V-STATS with factory settings click on 'No'.

     Note: During use it is at any time possible to restore factory settings for all V-STATS and V-CareNeT settings in the dialog 'V-STATS Settings' (see sub-menu 'Settings / V-STATS Settings …').
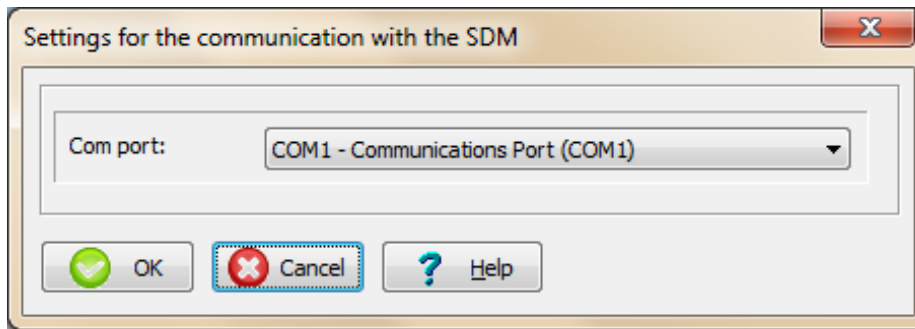
     Note: We recommend NOT taking over the present settings of the already installed V-STATS version when updating to the current V-STATS version.

  b) an information dialog displays if <u>user-configured</u> SDM Profiles are already stored in V-STATS' SDM Profiles Database that have the <u>same filename</u> as SDM Profiles <u>preconfigured by SenTec</u>, that will be added during the update, V-STATS will overwrite the former by the latter. Before overwriting user-configured SDM Profiles an information dialog listing all the user-configured SDM Profiles that will be overwritten opens. Therein check the user-configured SDM Profiles you want to save and click on 'Yes' to save the selected profiles in a backup folder on the desktop. Click on 'No' if you don't want to save any of the listed profiles. Click on 'Cancel' aborts the update.

• To install example measurements, click on 'Yes' when the message 'Install example measurements in the folder Target Drive:\fg\vstats\daten\examples' prompts.

• To create a shortcut to your desktop, click on 'Yes' when the message 'Create a link to your desktop' prompts.

  Note: Regardless of your selection the installer will add a shortcut to the start menu.

Once the installation is completed, the information message 'Installation successful' displays.
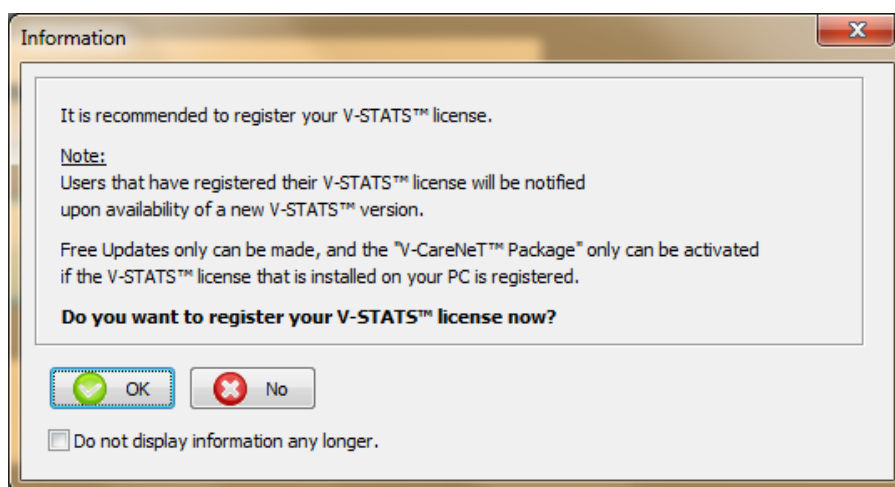
If a previously installed V-STATS license was registered, the installation of V-STATS is finished at this stage. If no V-STATS license was previously installed or if a previously installed license was not registered the installer will automatically start V-STATS and display the dialog '**Settings for the communication with the SDM**':

Select the appropriate COM port

> Note: During use of V-STATS you can change the COM port at any time in the dialog 'Communication with the SDM (via Serial Interface)'.

Finally, the installer will automatically display the following license information dialog:

SenTec AG recommends that you register your V-STATS license, as registered users will be notified upon availability of new V-STATS versions. Furthermore, free updates can only be made and the 'V-CareNeT Package' only can be activated, if the V-STATS license that is installed on your PC is registered.

- Click on the 'OK' button to open the dialog 'Registration'

- Click on the 'No' button to close the information dialog without activating the registration process.

> Note: As long your V-STATS license is not registered the license registration information dialog will automatically reappear after starting V-STATS 10-times. Check the respective box if you do not want this information to display any longer.

> Note: As long your V-STATS license is not registered you can access the dialog 'Registration' via the sub-menu 'Tools / Register V-STATS ...' at any time.

> **Note: For the registration you need the license number which is printed on the CD cover. Remove the installation CD after successful installation and keep it in safe custody.**

4. Printer Selection

With V-STATS 4.01 the printout of various items such as reports or SDM Profiles can be done on most ink jet, laser, or matrix printers that have been installed under Windows. Printer selection can be made in the print dialog window that opens when attempting to print any of these items.

> Note: If a PDF-printer is installed on the PC these items can be printed into a PDF-file.

> Note: Reports, related measurement curves and various other profiles and settings can be stored as a PDF (even if no PDF-printer is installed on the PC).

Updates, Upgrades and LAN Package Activation

5. How to update your V-STATS software (requires V-STATS 4.00 or higher)

Starting from V-STATS 4.00 or higher an installed and registered V-STATS license can be updated to V-STATS 4.01 as follows:

- Download the updater from http://registration.sentec.com/downloads/updatervstats.zip

  Note: This download-link is also accessible via SenTec's webpage (see http://www.sentec.com/int/products/sentec-digital-monitoring-system/data-management/v-stats/)

- Once the download is completed unzip the updater 'updatervstats.zip'.

  Note: The resulting folder "updatervstats" can be copied to a storage medium such as an USB-Stick or CD.

- Open the folder "updatervstats" and double-click on **setup.exe** to start the update.

- Select the desired language

- Click on `Installation Manual´ if you want to open the installation manual as .pdf file and then on `Next´ to resume the installation

- A 'License Agreement Dialog' displays. Press 'I Agree' to accept the license terms and to continue installation. If you press 'I do not agree' the installation of V-STATS will be aborted. Press 'Print' to print the license terms.

- Carefully read the dialog with information regarding V-STATS compatibility with SDM firmware versions open and click `yes´ to acknowledge the information and to resume the installation

- Select the target drive

  Note: All necessary files will be copied in the folder 'Target Drive:\fg\vstats'. Please note, that the installer will not overwrite existing measurement files and patient data if a V-STATS license is already installed on the target drive.

  Important Note: *During use V-STATS will read or write access certain files within the folder 'Target Drive:\fg\vstats'. To work with V-STATS, every user needs full access rights to this folder after installation.*

  Note: If the installed license has a version prior to 4.00 you first must update this version to V-STATS 4.00 by using the appropriate updater before updating to V-STATS 4.01.

  Note: If the installed V-STATS license is not registered you first must register the license before updating to V-STATS 4.01. Please access the dialog 'Registration' by using the sub-menu 'Tools/ Register V-STATS' and then follow the instructions provided therein to register the V-STATS license that is installed on your PC.

  Note: If no license is installed on your PC contact your local distributor to purchase a V-STATS installation CD.

- Thereafter the message 'Take over the settings of the present installed version?' will prompt. Press 'Yes' to take over the settings. To install V-STATS with factory settings click on 'No'.

  Note: During use it is at any time possible to restore factory settings for all V-STATS and V-CareNeT settings in the dialog 'V-STATS Settings' (see sub-menu 'Settings / V-STATS Settings …')

  Note: We recommend NOT taking over the present settings of the already installed V-STATS version when updating to the current V-STATS version.

- If user-configured SDM Profiles are already stored in V-STATS' SDM Profiles Database that have the same filename as SDM Profiles preconfigured by SenTec, that will be added during the update, V-STATS will overwrite the former by the latter. Before overwriting user-configured SDM Profiles an information dialog listing all the user-configured SDM Profiles that will be overwritten opens. Therein check the user-configured SDM Profiles you want to save and click on 'Yes' to save the selected profiles in a backup folder on the desktop. Click on 'No' if you don't want to save any of the listed profiles. Click on 'Cancel' aborts the update.

- To install example measurements, click on 'Yes' when the message 'Install example measurements in the folder Target Drive:\fg\vstats\daten\examples' prompts.

- To create a shortcut to your desktop, click on 'Yes' when the message 'Create a link to your desktop' prompts.

  Note: Regardless of your selection the updater will add a shortcut to the start menu.

Once the update is completed, the information dialog 'Installation successful' displays and a PDF-File summarizing the most important new features and modifications being introduced by V-STATS 4.01 opens.

6. Activating the V-CareNeT Package (requires V-STATS 3.00 or higher)

To activate the V-CareNeT Package for the desired number of beds/ patients the installed V-STATS license must be registered and you need a 'V-CareNeT Package Registration Code' (CPRC) for the corresponding number of beds/ patients. Once you have received the respective CPRC you must generate the corresponding 'V-CareNeT Package Activation Code' (CPAC) on the website registration.sentec.com/vstats_CPAC.html. To activate the V-CareNeT Package you finally must enter the CPAC within V-STATS into the appropriate field of the dialog 'V-CareNeT Package Activation' (see sub-menu 'Tools / V-CareNeT Package Activation ').

Note: To purchase a CPRC please contact your local SenTec representative or SenTec (info@sentec.com/ www.sentec.com). CPRC's are currently available for 5, 10, 20, 30, or 40 beds/ patients or upon request for a customized number of up to 40 beds/patients.

Note: V-CareNeT evaluates the size/resolution of the central station's screen and limits the number of bed/ patients being simultaneously available for remote monitoring to ensure that the 'V-CareNeT Control Window' and all active stations (remote monitoring windows) are fully visible and can be arranged without overlapping each other. For remote monitoring of 40 beds/ patients, for example, a screen size/ resolution of approx. 2560 x 1440 is required (approx. 1024 x 768 for 5 beds/ patients, 1152 x 864 for 10 beds/ patients, 1600 x 1024 for 20 beds/ patients, 1920 x 1200 for 30 beds/ patients). Smaller screen sizes/ resolutions will support fewer beds/ patients regardless of the CPRC that was used to activate the 'V-CareNeT Package'.

7. Upgrading the V-CareNeT Package (requires V-STATS 4.00 or higher)

If your V-CareNeT Package is already activated and if you want to upgrade the maximum number of beds/ patients for which remote monitoring simultaneously shall be possible you need a new 'V-CareNeT Package Registration Code' (CPRC) for the corresponding number of patients/ beds. When requesting a new CPRC from your local SenTec representative please indicate the desired number of beds/ patients and send a screenshot of the dialog 'V-CareNeT Package Upgrade' (therein the current number of beds/ patients is indicated). Once you have received the new CPRC you must generate the corresponding 'V-CareNeT Package Upgrade Code' (CPUC) on the website registration.sentec.com/vstats_CPAC.html. To upgrade the V-CareNeT Package you finally must enter the CPUC within V-STATS into the appropriate field of the dialog 'V-CareNeT Package Upgrade'.

Note: To open the dialog 'V-CareNeT Package Upgrade' use the V-STATS menu 'Help/ Info' to open the dialog 'Product Info' and then click on the respective link.

Note: All "Notes" of the paragraph "How to activate the V-CareNeT Package also apply for this paragraph.

8. V-CareNeT Trial (requires V-STATS 3.00 or higher)

If the installed V-STATS license is registered it is possible to trial V-CareNeT. To initiate the V-CareNeT Trial use the menu 'Tools / V-CareNeT Trial'. The trial time is 30 minutes. The 'V-CareNeT Trial' can be (re)activated an unlimited number of times (after restarting V-STATS).

Note: During a 'V-CareNeT Trial' download of SDM Trend Data via the network is not supported, otherwise, V-CareNeT is fully functional.

9. Extended V-CareNeT Trial (requires V-STATS 3.01 or higher)

If the installed V-STATS license is registered it is possible to activate an Extended V-CareNeT Trial. To initiate the Extended V-CareNeT Trial use the menu 'Tools / Extended V-CareNeT Trial'. The trial time is 10 days which have to be used within 4 weeks. An 'Extended V-CareNeT Trial' can be activated only once.

Note: V-CareNeT is fully functional during an 'Extended V-CareNeT Trial'.

10. V-CareNeT Demo Mode (requires V-STATS 3.01 or higher)

For demonstration and training/ education purposes it is possible to activate the 'V-CareNeT Demo Mode' by using the menu 'Settings/ V-CareNeT Demo Mode'.

Note: Registration of V-STATS or activation of the V-CareNeT Package is not required to use the V-CareNeT Demo Mode.

Note: The password required to activate the 'V-CareNeT Demo Mode' is 'Demo'.

Note: Starting from V-STATS 3.02 the data of 40 demo patients are included. Note that the maximal number of beds/ patients for which remote monitoring can be simulated/ demonstrated is limited by the computer's screen size/ resolution. To simulate remote monitoring for 40 beds/ patients, for example, a screen size/ resolution of approx. 2560 x 1440 is required (approx. 1024 x 768 for 5 beds/ patients, 1152 x 864 for 10 beds/ patients, 1600 x 1024 for 20 beds/ patients, 1920 x 1200 for 30 beds/ patients). Smaller screen sizes/ resolutions will support fewer beds/patients.