

SvanPC++

Advanced supporting PC software

SvanPC++ is a new generation supporting software dedicated for SVANTEK measuring instruments including SV 10x, SVAN 95x and SVAN 97x series. Functionalities and extended capabilities implemented in this advanced application make each SVANTEK device an easy in use and complete measuring system.

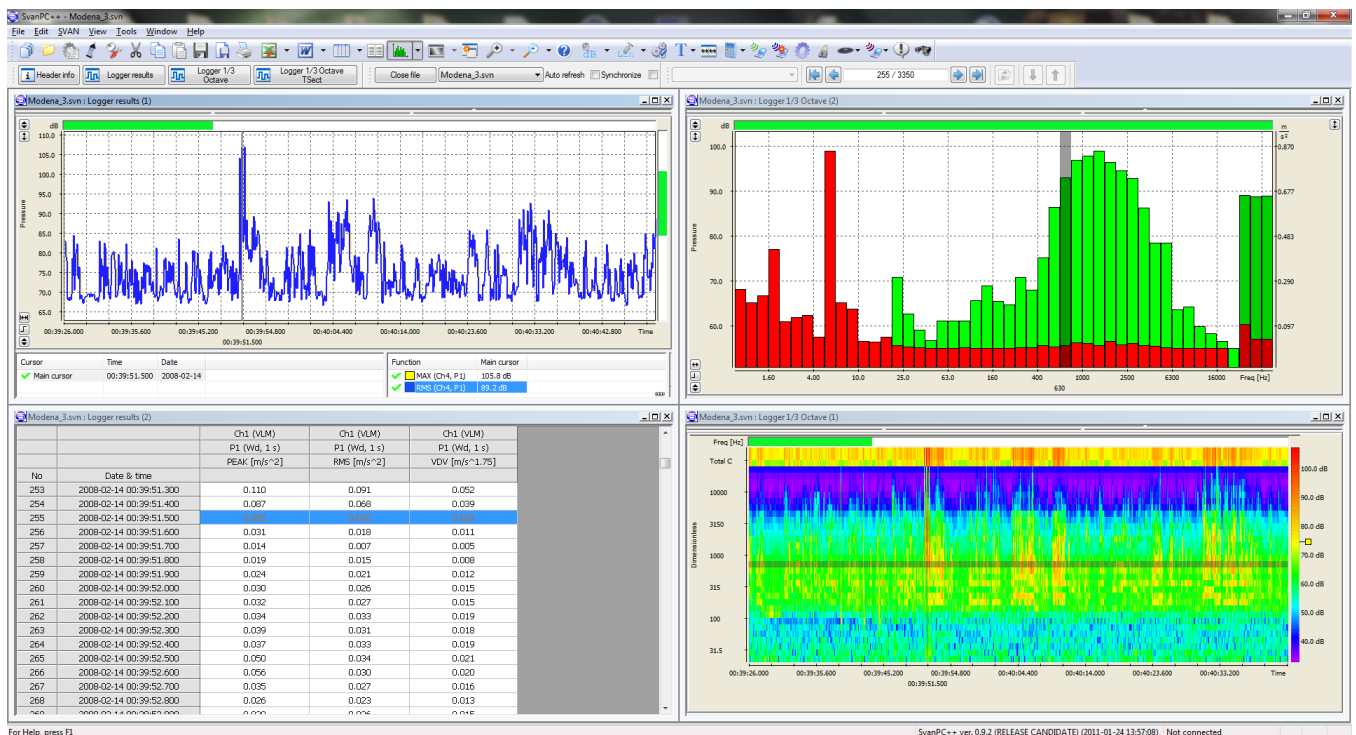
In order to give users the perfectly customized, powerful and sophisticated tool SvanPC++ software has been divided for several specialized modules distinguished by application fields.

The main module is called **Viewer** and is available for all users free of charge. Viewer module provides such functions as measurement data downloading from instruments to PC, measurement setups creating, basic Leq/RMS recalculation,

measurement results in text, table and graphical form of presentation, export data to spread sheet or text editor applications and much more.

Viewer module of SvanPC++ provides well defined functionality package however to meet the wide range of users' expectations a number of additional modules have been developed. These advanced extensions are: Environmental Measurements module, Dose Measurements module, Building Acoustic module and Remote Communication module (for more info check next two pages).

SvanPC++ software together with example files with measurement files and instruction movie can be downloaded from SVANTEK website (www.svantek.com).



Features

- Easy download of measurement data to PC
- Total Leq / RMS recalculation
- Wide data export options
- Presentation results: text, table and graphic format
- Advanced customisation of each view
- Creation of measurement setups
- Wizard mode
- Merging of measurement files
- ASCII format for easy development of user's customised application

Advanced dedicated modules for

- Environmental Measurements
- Unattended monitoring systems
- Health and safety
- Building acoustic measurements

SvanPC++ Environmental Measurements

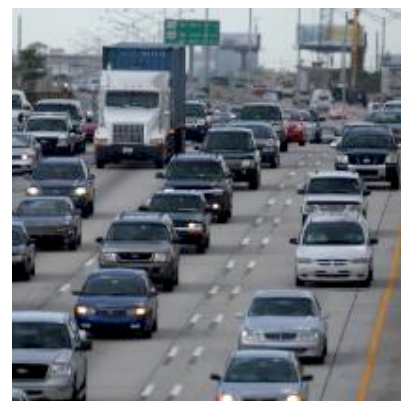
Module is designed for processing data from any noise or vibration measurements including data from long period unattended environmental monitoring. For time-history data analysis the software provides all necessary functionalities such as unwanted periods marking and removing or processing them separately, recalculation of original time-history records into longer intervals, calculation of number of parameters and presentation these results in text, table and graphic form. Additionally, the module provides a reporting tool which allows any combination of data to be placed on a report. Project functionality eases the management of data stored in various file types, gathered across given measurement activity, like measurement data, calculation results, views, photos, graphics, pictures and report templates.

Data analysis and recalculations:

- Leq, SEL, Min, Max, Lmin, Lmax, Max(Max), Max(Peak), Ltm5, Tm5
- Total RMS, Total VDV, Vector (RMS & Peak), Lmin, Lmax, Max(Max), Max(Peak)
- Statistics (L_N , histogram)
- Day / evening / night noise level
- Markers for events identification
- Spectrum averaging, Min, Max
- Peak and harmonics detection in FFT result files
- Tonality analysis based on FFT and 1/3 octave result files
- Impulsivity analysis according to UNI/BS 9432:2002

Data management:

- Projects (results, views, calculations, pictures and other files)
- Time-history data cutting
- Saving views on data
- Reporting with schemes (Microsoft Word™ required)



SvanPC++ Remote Communication

Remote communication for unattended measurement monitoring system is indispensable tool which allows users to save a lot of time and money as they can avoid going to installation location to get measurement data or check system status. This tool gives online communication to noise and vibration monitoring terminals. Moreover this software provides functionality like system configuration and automatic data publishing in html format on web server as well as it can transfer ASCII format (CSV) files to FTP servers. These functionalities make measurement data available not only for administrator but also to wider publicity.

Perfect solution for:

- On-demand and automatic remote data download
- Measurement status monitoring, system check, alerting
- Remote system configuration
- Out-of-the-box on-line data publishing

Supported connection media / protocols:

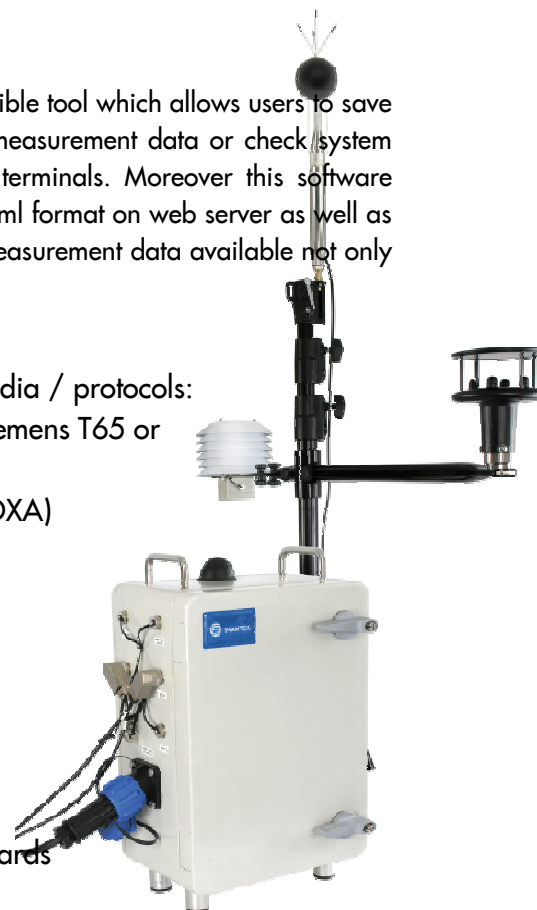
- GPRS modem (Siemens T65 or Cinterion T65)
- Wi-Fi / LAN (MOXA)
- Bluetooth™
- USB
- ZigBee

Number of data acquisition modes to suit your needs:

- Svan Files
- Live Results
- Automatic Files Download
- Continuous Logger Download

Additional features:

- Alarming
- Connection wizards
- System check
- Microsoft Windows service



PRELIMINARY

SvanPC++ Dose Measurements

Health and safety departments need easy and reliable tool for dose measurements reporting as well as they expect a system with database for all workers results storage and easy management. Dose Measurements module is dedicated software developed for users demanding such functionality. Playback of audio events included in time-history files tops up exceptional functionalities of this module.



Calculations:

- Acoustic DOSE, DOSE8h, LEPd, Leq, SEL, Lmin, Lmax, Max(Max), Max(Peak), Ltm5, Tm5
- Vibration current dose, daily dose, current exposure, daily exposure, Time left to EAV, EAV total time, time left to ELV, ELV total time, AEQ, VECTOR, VDV, Max VDV.

Data organization and storing:

- Measurement projects management as results database
- Defining user categorisation
- Data searching and navigation
- Saving views on data
- Reporting with schemes (Microsoft Word™ required)

PRELIMINARY

SvanPC++ Building Acoustic

Building Acoustic module gives acoustic consultants a superb tool to significantly reduce the time they need to process measurement results and create reports meeting ISO 140 standard requirements. Software provides building acoustic projects management functionality dedicated for collecting measurement files, assigning files to appropriate categories (rooms/dwellings), defining rooms/dwellings and specialised wizard for calculations of airborne and impact sound insulation. Module accepts reverberation time results from SVANTEK SLMs as well as automatic and user defined reverberation time calculation from time-history data are available.



Calculations:

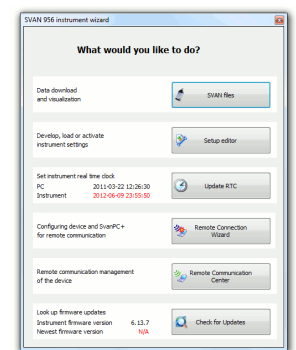
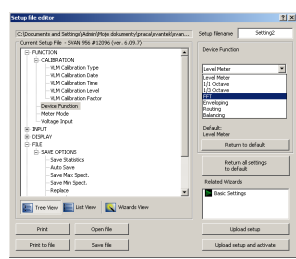
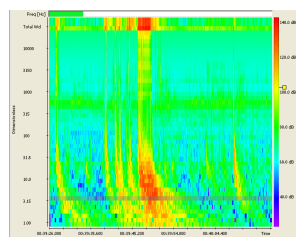
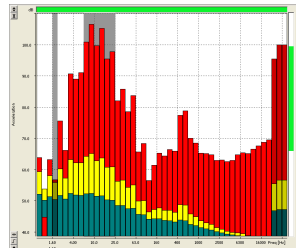
- RT 60 logger data based, decay and impulse method
- Airborne sound insulation
- Impact sound insulation
- Conformity with ISO 140, ISO 717
- Speech Transmission Index (STI)

Data organisation and storing:

- Measurement projects management
- Easy to use Sound Insulation Wizard
- Saving views on data
- Reporting with schemes (Microsoft Word™ required)

Main Features of SvanPC++ Viewer module

Post processing and data analysis	Total LEQ and Total RMS recalculation Logarithmic to linear and linear to logarithmic units recalculation Data aggregation by time and frequency Quick "in blocks" value recalculation (time-history, spectra) FFT to 1/3 octave and 1/3 octave to 1/1 octave spectrum recalculation Spectra acceleration, velocity and displacement recalculations Transfer function and coherence recalculation (cross spectrum result files required)
Data Visualisation	Widely customisable 2D and 3D plotting Multi-axial plot graph Table and Text View More than 20 types of views depending on available data Wave files presentation (samples automatically recalculated to absolute physical units)
Playback	Audio events stored in logger (time-history) and WAVE files
Data export	Simplified export to Microsoft Excel and Word Plot view export Table view, CSV export Copying through clipboard Export audio events and SVANTEK WAVE files Convert instrument files to ASCII format
Data download	Convenient tool for exploring instrument's data storages Support for USB and RS-232 (including Bluetooth) interfaces
Files management	Files merging enhances mid and long term data analysis Available for both result and logger files
Setup editor	Comfortable way for managing instrument setup Setup Wizards simplifying configuration Store your setup files on PC
Wizard mode	Help in accessing the most common functions
Other features	Toolbar customisation Automatic update notifications SV 100 & SV 101 calibration tool



System requirements	Supported operating systems: Windows 7, 7 x64, Vista, Vista x64, XP, XP x64 Minimum system requirements: 1 GHz CPU, 1 GB RAM (2 GB RAM for x64 system), 20 GB HDD, 1024 x 768 display USB driver for SVANTEK instruments version 3.0 or newer Recommended office applications: Microsoft Word, Microsoft Excel
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Continuous product development and innovation are the policy of our company. Therefore, we reserve the right to change the specifications without prior notice.

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