

# PHABRIX Handheld Simulators

## Quick Start Guide



## Overview

The Handheld Simulator installation package provides simulated versions of each member of the Sx Series, which you can run from a standard Microsoft Windows desktop environment:

- SxA
- SxD
- SxE
- Sx TAG

Using your desktop mouse, you can access all functional areas by clicking the same menu buttons and cursor controls as you would press when using the real instrument with all software options enabled.

A right mouse-click menu provides additional functionality such as setting the video standard on the Simulator, taking a screenshot, displaying a separate output picture window, or enabling/disabling the display of Remote Control commands.

When enabled, a left mouse-click on any screen control (button, field, checkbox, etc.) displays detailed information about that control, which you can use to create automation programs.

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## Installation Prerequisites

Before starting to install the PHABRIX Sx Simulator software, make sure that your system meets the following minimum requirements to run the Simulator:

- **Operating System:** Microsoft Windows 7 (32 bit) (minimum.)  
Microsoft Windows 8, 10, 64 bit (recommended.)
- **RAM:** 2 GB
- **Disk Space:** At least 100 MB disk space required.

**Note:** Make sure that you first uninstall any previous versions of the Sx Simulators that may already be installed.

## Installing the Simulators

Install the Sx Simulator software as follows:

- 1 Download the PHABRIX Sx Simulators software package from:

<https://www.phabrix.com/support/product-software-downloads/>

The software is available from the section: **PHABRIX Product Utilities**

- 2 Locate the downloaded executable file (**PhabrixSxAndTagSimulatorSetup.exe**) and double-click to start the installation.
- 3 Click **Yes** to allow MS Windows User Account Control to make changes to your device when prompted.

You should see the certified software message displayed:

### **PHABRIX Handheld Simulators**

Showing that the correct application has been signed by PHABRIX.

- 4 Choose a target folder for the Sx Simulator software. The default location is:

**C:\Program Files (x86)\Phabrix\SxAndTagSimulator**

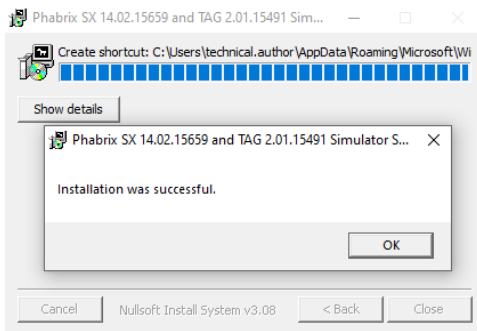
Either accept the default or browse to a different location.

The installer also creates the following folder containing additional folders for certain auxiliary files which may be uploaded to, or downloaded from, the Sx Simulator:

**C:\Users\<User\_Name>\Documents\Phabrix**

- 5 Click **Install** to start the installation.

On successful completion, you should see the following message:

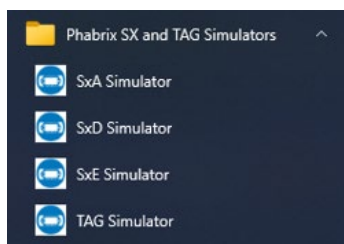


- 6 Click **OK** to complete the installation, then **Close**.

The installer creates an icon for each of the Sx Simulators on your Desktop:



And adds the following entries to your Start menu:



## Starting the Simulator

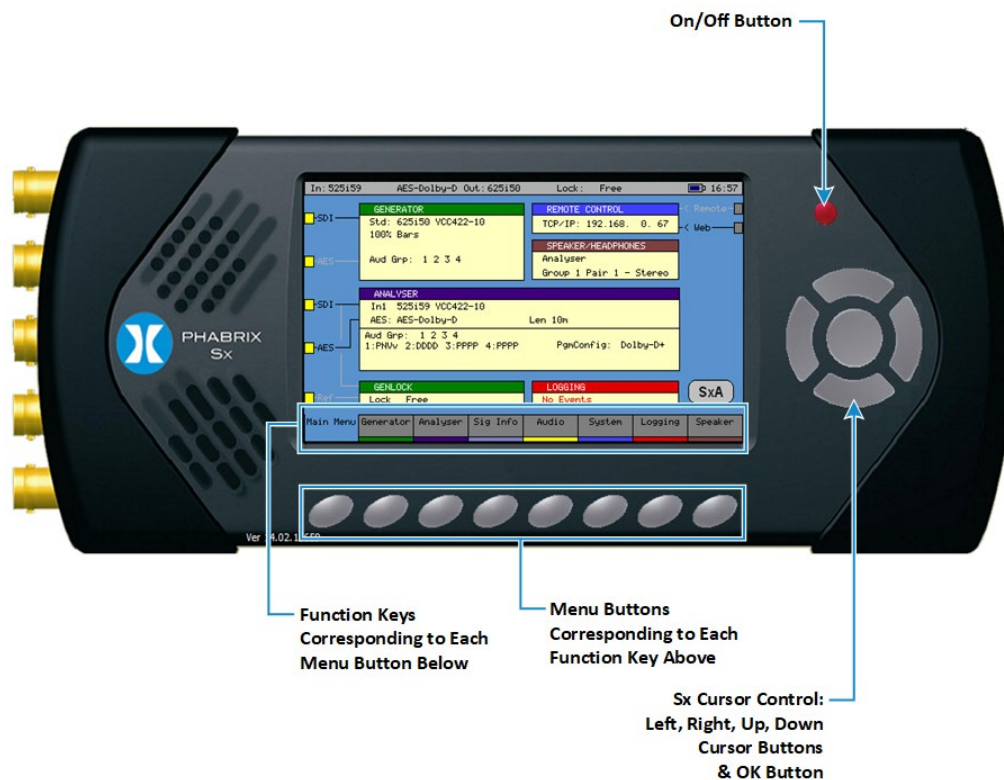
Start the desired Sx Simulator as follows

- 1 Choose which of the simulators you would like to run.
- 2 Either:
  - a Double-click the corresponding Desktop icon.
  - b Select: **Start ➔ Phabrix SX and TAG Simulators** and click the corresponding icon.

The Simulator launches and is immediately active, displaying the Main Menu.

## Stopping the Simulator

To shut-down the Sx Simulator, simply left mouse-click the red On/Off button.



## Using the Simulator's Interface – Menu Buttons

Each menu button corresponds to a function key displayed directly above it on the screen. Use the main menu function keys to display the different functional areas – or instruments – of the unit, e.g., Generator, Analyser, Sig Info, etc. New function keys become available as you switch between different instruments.

Left mouse-click the corresponding menu button to select the function key for one of the functional areas. For example, Left mouse-click the third menu button to display the **Analyser** screen. The active button has a red border.



## Using the Simulator's Interface – Cursor Controls

The Sx cursor is represented by the red box, usually located around the top-left control on each new screen. You can move the cursor to different controls using the up, down, left and right cursor controls.

Move the screen cursor (represented by a red box on the display) by mouse-clicking the cursor control buttons to go left, right, up or down. Left mouse-click the center cursor button to open a menu or dialog at that position. Again, the active button has a red border.

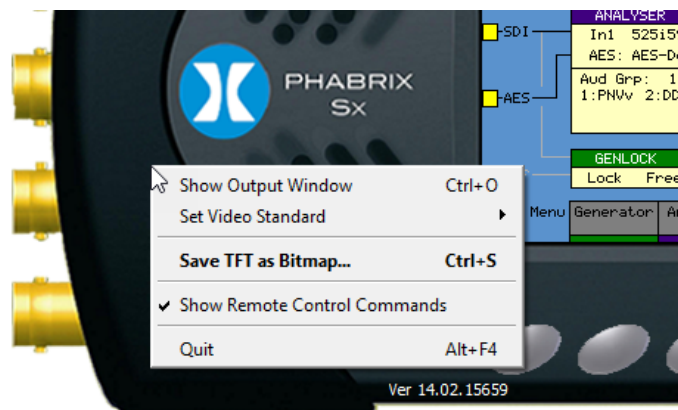


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## Using the Right Mouse-click Options Menu

Additional commands, specific to the Simulator, are available by right mouse-clicking your cursor on the Simulator to display the right mouse-click options menu. This menu enables you to do the following:

- **Show Output Window:** Display the selected video output image in a standalone window.
- **Set Video Standard:** Select a video standard quickly, without using the Simulator controls.
- **Save TFT as Bitmap:** Save a screenshot of the current screen, in bitmap (\*.BMP) format, to the ..\Phabrix\Sx or ..\Phabrix\Tag folders.
- **Show Remote Control Commands:** Toggle the display of Sx command information when you left mouse-click on any of the screen controls.
- **Quit:** Close the Sx Simulator.



**Note:** The Sx Simulator is designed to provide as complete an overview of the product functionality as possible, however, certain features cannot be fully-functional in the simulated environment. The Simulator emulates certain indicative generator formats and so input selection and the display of the input status may not always match the current input standard. Presets, scripting and the ident text in the generator thumbnail are not available in the simulator.

## Sx Simulator Folders

The Sx Simulator installer creates two user-specific folders, one for use with SxA, SxD and SxE Simulators; and the other for the Sx TAG Simulator:

**C:\Users\<User\_Name>\Documents\Phabrix\SxTagSimulators\Sx**

And:

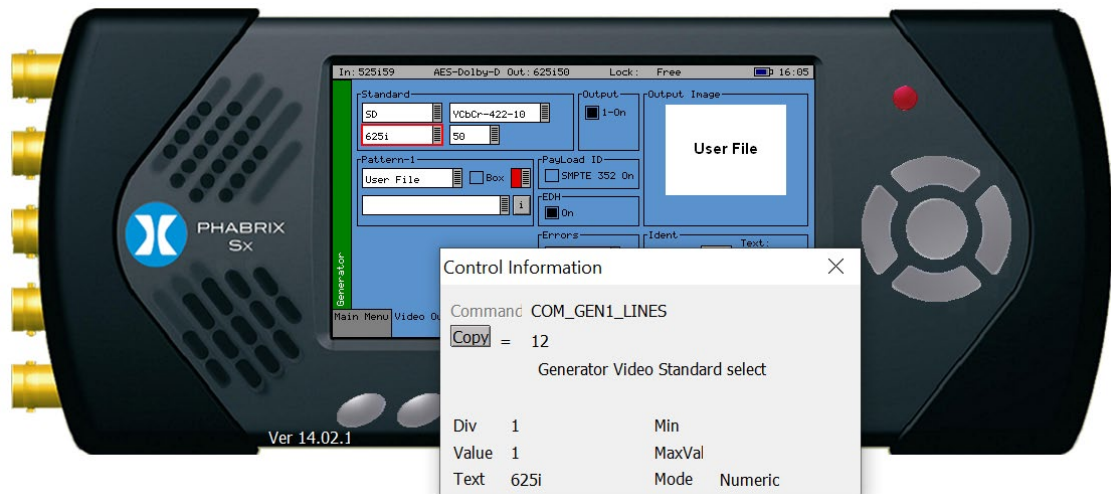
**C:\Users\<User\_Name>\Documents\Phabrix\SxTagSimulators\Tag**

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## Obtaining Control Information

All controls on the Simulator screen are associated with the same Command IDs used in the actual Sx instrument. If you want to build scripts to automate your Sx, you can obtain the command IDs and other control parameters, needed to access and use the Sx controls, from the Sx Simulator.

To display the control parameters for an Sx command, left mouse-click your cursor directly on the target control. This opens a dialog box containing the command ID information for that specific Sx control, as shown below.



If you have the Sx Remote Control option (**PHSXOR**), you can use this control information for the remote control of your instrument.