Getting started with STM32CubeWiSE – Navigator

Introduction

This document describes the STM32CubeWiSE – Navigator (STM32CubeWiSEna). It is intended for firmware developers, RF engineers, and application engineers working with STM32 wireless devices and the STM32CubeWiSE tool suite.

STM32CubeWiSE – Navigator consists of the following component:

- STM32CubeWiSE – Navigator PC application

The STM32CubeWiSE – Navigator PC application is a desktop application that provides a unified dashboard for the STM32CubeWiSE tool suite. It allows users to discover, launch, install, and update STM32CubeWiSE tools from a single interface, without needing to manually track installation paths, installers, or download links.

The application provides the following main capabilities:

- Tool catalog: displays all available STM32CubeWiSE tools with their installation status and version information
- Launch: opens any installed tool directly from the STM32CubeWiSE – Navigator interface
- Install and update: guides the user through the installation or update of STM32CubeWiSE tools
- Device-based search: filters the relevant tools for a given STM32 device (for example, STM32WL33) or wireless protocol
- Documentation access: provides direct links to user manuals, release notes, and application notes for each tool

1 General information

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1.1 Ordering information

STM32CubeWiSEna is available for free download from the *www.st.com* website.

2 Getting started

This section describes the system requirements to run the STM32CubeWiSE – Navigator PC GUI application and the software package installation procedure.

2.1 System requirements

The STM32CubeWiSE – Navigator application has the following minimum set up requirements.

Supported operating system and architecture:

- Windows® 11, 64 bits (x64)

Note: Windows® is a trademark of the Microsoft group of companies.

2.2 STM32CubeWiSE – Navigator software package setup

Install

1. Extract the contents of the `stm32wise-nawin.zip` file to a temporary directory.
2. Double-click the installer file.
3. Follow the on-screen instructions.

How to launch

1. Launch the `STM32CubeWiSE-Navigator.exe` file available in the `app` subfolder.

2.3 STM32CubeWiSE – Navigator software package folders

The STM32CubeWiSE – Navigator software package files are organized in the following folder:

- `app`: contains the installed launcher file `STM32CubeWiSE-Navigator.exe` to launch the tool.

Release notes and license files are in the root folder.

3 STM32CubeWiSE – Navigator application description

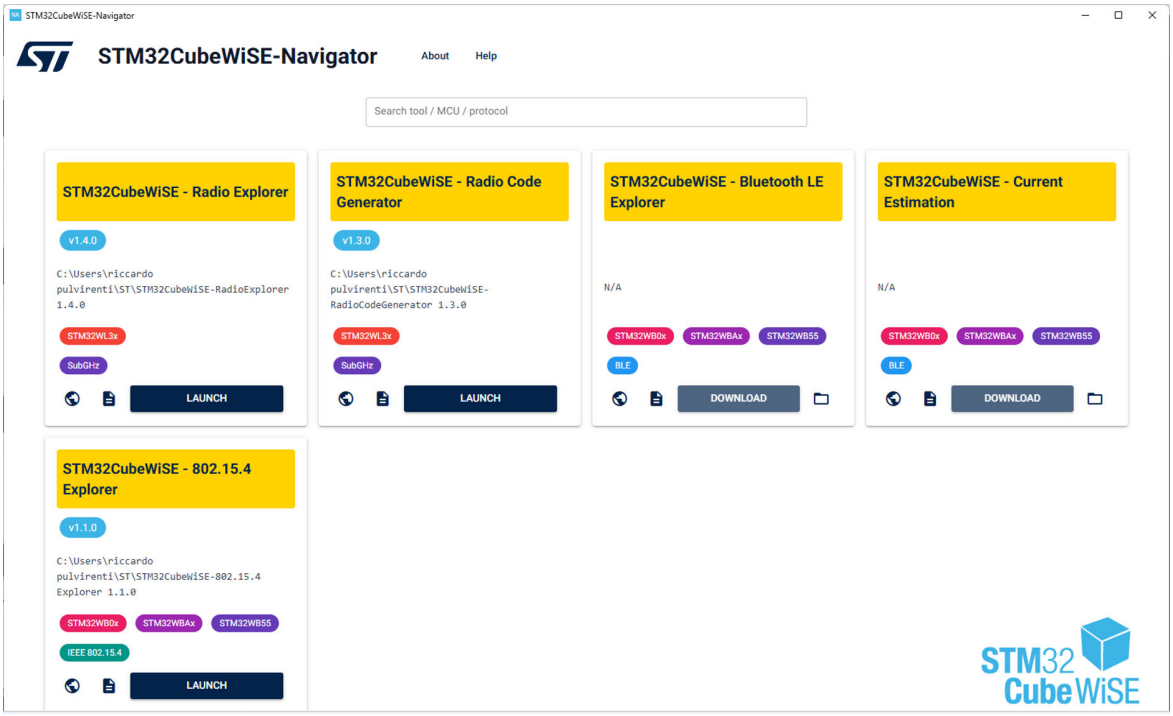
The STM32CubeWiSE – Navigator is designed to act as a central hub for the whole STM32CubeWiSE software ecosystem. Its interface emphasizes discovery and fast access, allowing the full catalog to be browsed, tool descriptions to be reviewed, and installation status to be seen at a glance. When a tool is available, the STM32CubeWiSE – Navigator provides direct launch action; when it is not, download and manual links are provided for guidance.

The application also supports manual tool paths. If a tool is installed in a non standard location, it is possible to point the STM32CubeWiSE – Navigator to the executable, so it becomes available for quick launch. Manual entries are clearly indicated so it became easy to distinguish them from automatically detected installations.

3.1 Main window

The main window is the central workspace. It displays tool cards arranged in a grid. Each card showing the tool name, a brief description, and its availability. A search field at the top of the catalog area allows the user to filter the visible cards by typing any combination of tool name, MCU identifier, or wireless protocol. The filter is applied dynamically as the user types.

Figure 1. STM32CubeWiSE – Navigator main window



Each tool is represented by a card containing the following information:

Table 1. STM32CubeWiSE – Navigator information details

Element	Description
Tool name	The full display name of the tool is shown in the card header.
Version	Version of the installed instance (for example, v1.2.0). Not shown if the tool is not installed.
Installation path	File system path of the detected executable. If the path was set manually by the user, a manual badge is shown next to the path.
Supported MCUs	Colored chips listing the STM32 device identifiers supported by the tool (for example, STM32WL33).
Supported protocols	Colored chips listing the wireless protocols supported by the tool (for example, Bluetooth® LE, sub-GHz, 802.15.4, thread).

Each card also contains the following action controls:

- Globe icon: opens the tool product page on st.com. Visible only for installed tools.
- User manual icon: opens the tool user manual. Disabled if no user manual URL is configured for the tool.
- Launch/Get tool: the primary action button. If the tool is installed, clicking launch starts the application. If the tool is not installed, clicking get tool opens the ST download page for that tool.
- Browse icon: it allows the user to manually select the tool executable using a file browser dialog. This button is shown when the installation path could not be detected automatically, or when a manual path is already in use.
- Reset icon: clears the manually configured path and reverts to automatic detection. Visible only when a manual path is active.

Figure 2. STM32CubeWiSE – Navigator tool card

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This layout lets the user scan the catalog quickly, compare tools side by side, and jump directly to the one needed.

3.2 Search bar

The search bar is the fastest way to locate a specific tool. As text is entered, the visible tool cards are filtered in real time, making it easy to find a tool even in a large catalog without scrolling.

Figure 3. STM32CubeWiSE – Navigator search bar

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The search bar accepts free-text input and filters the visible tool cards in real time as the user types. The match is performed case-insensitively against all text content of each card, including the tool name, installation path, supported MCU identifiers, and supported protocol names.

Cards that do not match the current query are hidden; cards that match remain visible. When the search field is cleared – either by deleting the text manually or by pressing the clear button (×) at the right of the field – all tool cards are restored.

Revision history

Table 2. **Document revision history**

Date	Revision	Changes
09-Sep-2026	1	Initial release.

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