Carbonite Code 1.3.0

- Release Date: September, 2025.

Feature Enhancements

A number of features have been added, or updated, to this version of software. This section provides a brief introduction to these features, and how to use them.

v1.3.0 Features

MotionText

Use MotionText to add simple text to your production. Each Preset contains 4 text boxes that can contain a single line of text. The text can be formatted for font, color, bold, and italics. Each of the 4 boxes that contain the text can be turned on or off and positioned on screen. A Media-Store graphic can be added as the background to the text and is taken on or off with the text. There are 256 Presets (8 Banks × 32 Presets) that each contain a single MotionText layout with text boxes and the selected media. MotionText is selected as a source on a bus and is tallied on the preview window on the menu.

Bugs Addressed

The following bugs were addressed in this version of software:

- VS-1398 — Audio now works when using NDI HX video.
- VS-1384 — A newly loaded MediaWipe will no longer glitch when being run.
- VS-1382 — Loading a media item will no longer cause other Media-Store channels to glitch.

Known Issues and Limitations

Keep these notes in mind when upgrading your switcher to this version of software. Contact Ross Video Technical Support if you have any questions about performing a software upgrade.

Operational Notes

The following issues have been identified when working with the switcher:

- **ViewControl Support for NDI HX** — ViewControl requires DashBoard version 9.13, or higher, to display NDI HX sources.
- **Inconsistent Log Data** — The **Copy Logs to USB** function does not collect the same data as the **Export Logs**.
- **Copy Logs to USB No Progress Bar** — The system will not inform the user while it is collecting and saving the logs or when it has completed.

Installing Carbonite Code

Install the Carbonite Code software on your PC.

The Carbonite Code software can be installed on any Windows® 11 computer with an NVIDIA® graphics card, but performance will be limited by your hardware. The following hardware configuration is recommended.

Hardware Requirements

The following describes the recommended *minimum* hardware configuration for Carbonite Code for customer or business partner supplied hardware.

Item	Server	Desktop
Processor	Intel® Xeon® Silver 4410T (10 Cores)	Intel® i9-12900 (16 Cores)
	Note: Carbonite Code is optimised for use with Intel® CPUs.	
GPU	NVIDIA RTX™ 4000 Ada	NVIDIA® GeForce RTX™ 3080
	Note: Carbonite Code is optimised for use with NVIDIA® GPUs running version 580 or higher.	
Memory	32GB DDR5	
Storage	100GB SSD	
USB	3 (1×License Dongle, 1×Keyboard, 1×Mouse)	
Network	10G Ethernet Port	

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Item	Server	Desktop
Power Supplies	Select a power supply based on the power and connection requirements of the system components. It is recommended to operate power supplies at 40-80% of their total capacity for optimal efficiency and overhead. For reference, the hardware supplied by Ross Video makes use of redundant ASUS® 1300W 50.5MM SLIM Platinum power supplies.	
OS	Microsoft® Windows® 11 Pro for Workstations	Microsoft® Windows® 11 Pro
	Note: Earlier versions of Windows® may function correctly, but some Carbonite Code features and functionality will not be supported.	

Software Components

Carbonite Code has the following installed components on the Start menu:

- Carbonite Status Monitor — manages all the services required for the switcher. Individual services can be stopped and started.
- License Tool — add or maintain software licenses for the switcher.
- Uninstall Carbonite Code — remove the switcher and supporting applications from the PC.
- USB Folder — simulates the USB drive that is used by Carbonite switchers to store media items and other system files.

Note: For best performance, do not install any additional third party software applications onto the system, aside from the NDI® Tools and DashBoard. Third party software applications that did not come pre-installed on your system can place demands on system resources that may negatively impact real-time audio/video processing resulting in performance degradation in recording and/or playback. Install third party application at your own risk.

Software Compatibility

Before installing any software, review the following version compatibility information.

Table 1: Software Compatibility

Software	Version	To Verify
Carbonite Code	1.3.0	The current version is shown on the **Status** page in DashBoard for the Graphite CPC node.
Windows®	11 Pro	From the Windows® Control Panel, click **System**.
DashBoard	9.15.1	Refer to the documentation what came with DashBoard for information on getting the current version number.
TouchDrive Control Panel	3.3.1	The current version is shown on the **Status** page in DashBoard for the TouchDrive node.

To Install Carbonite Code

The installation wizard will help you install the software on your PC.

Note: If you are using your own hardware, ensure that your USB Licenses Dongle is installed in the PC before installing the software. The switcher software will try to detect the dongle when it starts the application.

1. Launch the `CarboniteCode-x64` installer on the PC you want to run the switcher and follow the onscreen instructions.

2. Review the **End User Licensing Agreement (EULA)**, select **I accept the agreement** and click **Next**.

3. Enter a **User Name** and **Organization** (optional) and click **Next**.

4. Select where you want the application to be installed and click **Next**.

   You can either accept the default location or click **Browse** and select a new location.
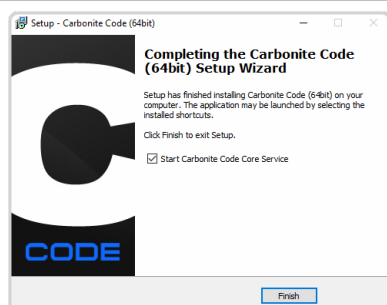
5. Enter a name for the folder on the **Start Menu** that you want to use for the application and click **Next**.

6. Click **Install**.

> *Note:* *If you have a previous version of Carbonite Code installed, you will be prompted to overwrite it. Click **Yes** to proceed.*

7. Click **Finish** to complete the installation and launch the Carbonite Code Core Service.

> *Note:* *Clear the **Start Carbonite Code Core Service** checkbox if you do not want to start the service at this time. You can start the service manually.*