

TouchDrive 4.0.0

- Release Date: June, 2026.



Important: Please review the **End User Software License Agreement** before installing or using this software.



Important: If your TouchDrive is connected to an Ultrix Acuity frame you must switch it to Carbonite mode, perform the upgrade, and then switch it back to Acuity® mode.

Note: You must upgrade DashBoard on the control panel separately. Once you have upgraded the panel to 3.3.0, then upgrade DashBoard running on the panel to 9.14.0.

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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.

v4.0 Features

Multiple Frames per Panel

A single TouchDrive control panel can now be connected to as many as four Carbonite family frames at the same time, with each panel row independently assigned to a different switcher and bus. The vertical display includes a new Switcher selector, button colors and the 3-knob menu update to indicate the active frame, and Flex Control and SideShot-NG assignments can be mapped per-frame from DashBoard.

Note: HyperMax 12.0.0 is the first switcher to support this feature. Other switchers will support this feature in a future release.

SideShot-NG Remote Flex Module

The SideShot-NG can now be configured in a new Flex mode that allows it to operate as a

Remote Flex Control module for TouchDrive panels. In this mode, the SideShot-NG connects directly to the panel and behaves as an extension of the switcher's Flex Control area, exposing Custom Controls and Memory banks with full mnemonic display, including foreground, background, text, size, and execution indicators.

Up to three Remote Flex Control modules can be assigned per switcher, and each connection maintains its own independent button assignments as part of the panel personality.

Panel Lock

A new Panel Lock feature has been added to safeguard the TouchDrive control panel against accidental button presses. Holding any **Touch Lock** button while pressing the **Menu Lock** button engages a total panel lock that disables every module on the panel until the same gesture is repeated. Individual buttons can also be locked one at a time by holding **Touch Lock** and tapping the target button. The button's LED turns off to indicate the locked state, and any presses against locked buttons are ignored and logged.

A per-row **Unlock All Buttons on This Row** option is available from the vertical display, and individual button locks are saved with the panel personality.

The fader and positioner cannot be locked individually at this time.

Known Issues and Limitations

Keep these notes in mind when upgrading your system 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 control panel:

- **DashBoard Auto Detect** — The TouchDrive control panel, hardware revision 03, will not be auto detected by DashBoard.

- **Dashboard Downgrade** — When you upgrade to version 2.1.1 the version of Dashboard on the control panel will be changed to 9.5.3. You must manually upgrade Dashboard after upgrading the panel software.

Upgrade File Verification

All the upgrade files for this version of TouchDrive can be independently verified using the GNU Privacy Guard application and the signature file provided with the download.

Note: Each file has a corresponding signature file.

You will need to download and install the GNU Privacy Guard (GPG) application for the computer you want to use to verify the download files. Please visit <https://gnupg.org/index.html> to get the latest download and follow the installation instructions.

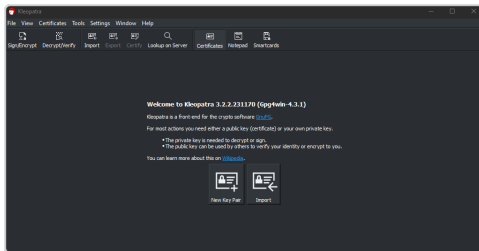
To Verify the Upgrade Files

Each upgrade file is verified independently.

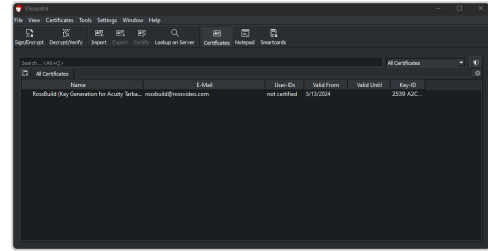
Download and install the GPG verification tool from <https://gnupg.org/index.html>.

Note: The signature files are located on the USB that came with your switcher and in the download package for software upgrades.

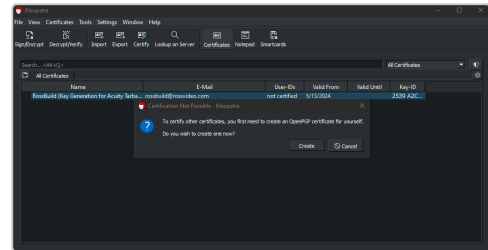
1. Launch the **Kleopatra** application installed by GPG.



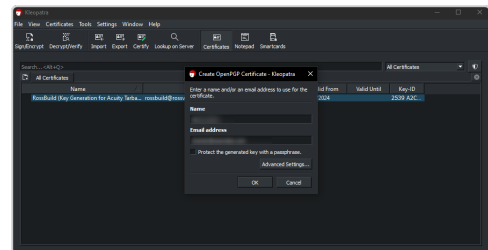
2. Click **Import** and select the `publickey.gpg` file.



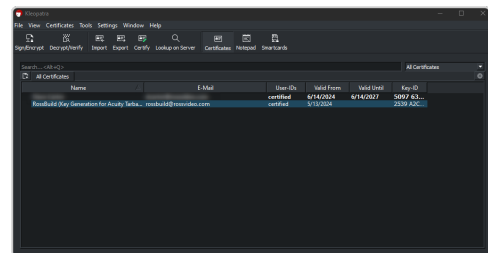
3. Right-click on the new Rosbuild entry and click **Certify**.



4. Click **Create**.

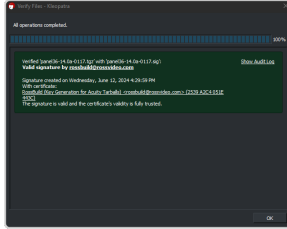


5. Enter a name and email address in the **Name** and **Email address** fields and click **OK** to create a local certificate with those credentials.



6. Click **Decrypt/Verify** and select the signature file (for example `upgrade-full-####.hypermax.sha256`) for the upgrade file that you want to verify. It will have the same filename as the upgrade file but with a `.sha256` extension.

7. Click **Open**.
8. Select the upgrade file (for example upgrade-full-####.hypermax) that you want to verify.
9. Click **Open**.
10. The application will check the file against the signature and verify it.



Important: If an upgrade file does not pass verification, do not use the files and contact Ross Video Technical Support.

11. Verify the other upgrade files with their corresponding signature files (.sha256).

Software Upgrade

Before starting the upgrade, ensure that you have the following upgrade files, depending on the revision of your hardware:

- **Panel Upgrade (HW Rev 01-02)(Qseven[®])** — touchdrive-HWRev02-V4.0.0.737.tgz
- **Panel Upgrade (HW Rev 03)(AMD Ryzen[™])** — touchdrive-HWRev03-V4.0.0.737.tgz
- **Panel Upgrade (4882AR Series)(AMD Ryzen[™])** — touchdrive-HWRev03-V4.0.0.737.tgz
- **Panel Upgrade (4882AR Series HW Rev 02)(AMD Ryzen[™], MMP)** — touchdrive-HWRev03-V4.0.0.737.tgz
- **DashBoard Upgrade** — DB9.16.1_linux.gtk.x86_64.tar.gz

Note: Upgrading the panel software does not automatically upgrade DashBoard anymore. You must upgrade DashBoard separately.

Note: If your TouchDrive is connected to an Ultrix Acuity frame you must switch it to Carbonite mode, perform the upgrade, and then switch it back to Acuity[®] mode.

Hardware/Software Compatibility

Before starting the upgrade, ensure that you have the correct files for your revision of hardware.

Table 1: Hardware Revisions and Software Compatibility

Item	Hardware Revision			
	01-02 (Qseven [®])	03 (AMD Ryzen [™])	4882AR (AMD Ryzen [™])	4882AR 02 (AMD Ryzen [™])
TD Recovery (OS)	HWRev02-V4.0.0 or higher	HWRev03-V4.0.0 or higher		
TouchDrive Software	HWRev02-V4.0.0 or higher	HWRev03-V4.0.0 or higher		
Ultrix Acuity Software	15.0b or higher			
Acuity [®] Software	15.0a or higher			
Ultra Software	9.2.2 or higher			
Ultrix Carbonite Software	9.2.2 or higher			
Ultra 60 Software	9.2.2 or higher			
Carbonite Black Software	15.7.0 or higher			
Carbonite Software	15.7.0 or higher			
Graphite Software	--			
Graphite CPC Software	--			
Carbonite Code Software	2.0.1 or higher			

Note: The **TD OS Recovery Kit** is available for download from the Ross Video website.

Note: The TD3 and TD4 panels require TD software and OS version 3.0.0, or higher.

Note: The TDx3 and TDx4 panels require TD software and OS version 3.1.0, or higher.

To Upgrade the Panel (Carbonite Mode Only)

Upgrade the software on the TouchDrive control panel when it is in Carbonite mode.



Important: When upgrading to version **4.0.0**, or higher, you **MUST** upgrade DashBoard **BEFORE** the panel software and you **MUST** reboot the control panel after upgrading DashBoard.



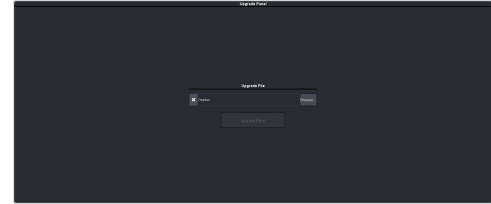
Important: Before starting the upgrade, check the revision of TouchDrive hardware you have. The revision of the hardware is shown on a label affixed to the bottom of the control panel. The part number (**PN:**) contains the series as the first four numbers and revision as the last two numbers in the sequence. So 4880AR-212-03 indicates the **4880AR** series and revision **03** hardware.



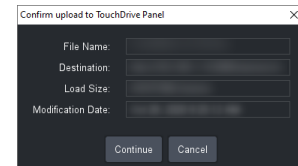
Important: Do **NOT** turn the control panel power off during the upgrade. Doing so may corrupt the software or damage the control panel components.

Tip: The control panel can be upgraded from a remote DashBoard computer or from the panel itself. If you are upgrading from the panel, you must put the upgrade file onto a USB and insert that USB into a USB port on the control panel.

- Download the software for your revision of hardware:
 - 4880AR Series, HW Rev 01-02 (Qseven®)** — touchdrive-HWRev02-V4.0.0.737.tgz
 - 4880AR Series, HW Rev 03 (AMD Ryzen™)** — touchdrive-HWRev03-V4.0.0.737.tgz
 - 4882AR Series (AMD Ryzen™)** — touchdrive-HWRev03-V4.0.0.737.tgz
 - 4882AR Series, HW Rev 02 (AMD Ryzen™, MMP)** — touchdrive-HWRev03-V4.0.0.737.tgz
- From the tree view for the control panel, double-click **Configuration > Upgrade Panel**.



- Click **Browse...** and navigate to the control panel upgrade file.
- Select the panel upgrade file and click **Open**.
- Click **Upgrade Panel**.
- Click **Yes**.
- Click **Continue** to upload the upgrade file to the control panel and start the upgrade.



- Wait for the DashBoard pages to come back up. This may take a few minutes.

To Upgrade DashBoard on the Control Panel (Carbonite Mode Only)

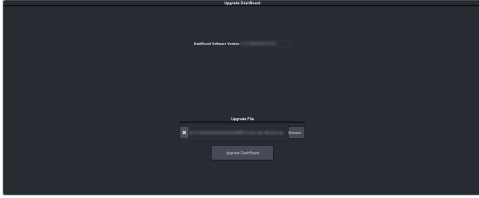
Upgrade the DashBoard control system software on the TouchDrive control panel when it is in Carbonite mode.



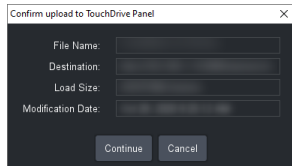
Important: Do **NOT** turn the control panel power off during the upgrade. Doing so may corrupt the software or damage the control panel components.

Tip: The control panel can be upgraded from a remote DashBoard computer or from the panel itself. If you are upgrading from the panel, you must put the upgrade file onto a USB and insert that USB into a USB port on the control panel.

- Download the DB9.16.1_linux.gtk.x86_64.tar.gz (the Linux® version) DashBoard software.
- From the tree view for the control panel, double-click **Configuration > Upgrade DashBoard**.



3. Click **Browse...** and navigate to the Dashboard upgrade file.
4. Select the Dashboard upgrade file and click **Open**.
5. Click **Upgrade Dashboard**.
6. Click **Yes**.
7. Click **Continue** to upload the upgrade file to the control panel and start the upgrade.



8. Wait for the Dashboard pages to come back up. This may take a few minutes.
9. From the tree view for the control panel, double-click **Status**

TouchDrive Panel Boot Mode

The TouchDrive control panel can control either an Acuity® or Carbonite based switcher by booting in either Acuity® or Carbonite mode.

If you want to connect the TouchDrive panel to an Acuity® or Carbonite switcher, you must switch the panel to boot in that mode. If the panel is in Carbonite mode and you want to connect to an Acuity® frame, you must boot up the panel, navigate to the menu and switch it to Acuity® mode.

Note: To switch between Acuity® and Carbonite modes, you must be running Acuity® v12.1a, or higher, and TouchDrive 2.1, or higher.

Note: Once you have booted the panel in the proper mode, refer to the documentation for your switcher for connecting a control panel to your frame.

To Switch TouchDrive to Acuity®



Important: The Acuity® frame must be running software version **12.1a**, or higher, to connect to the TouchDrive control panel.

1. Power on the control panel and wait for Dashboard to load on the touchscreen display.
2. From the tree view for the control panel, double-click **Configuration > Switch to Acuity mode**
3. Click **Switch & Reboot**.

Note: This function is only available on the Dashboard menus running on the control panel. It is not available on remote Dashboard connections.

The control panel will reboot into Acuity® mode.

To Switch TouchDrive to Carbonite



Important: The Carbonite frame must be running the minimum software, or higher, to connect to the TouchDrive control panel that is configured as Dual Boot. Refer to [TouchDrive OS Recovery](#) for compatibility information.

1. Power on the control panel and wait for Acuity® menu to load on the touchscreen display.
2. Press the **Home** button three (3) times to put the panel into setup mode.
3. Press **HOME > More > System Shutdown > More > Switch to Carbonite**.

The control panel will reboot into Carbonite mode.