

Volanti Control Panel

Display controls for Volanti 4K touchscreens

User manual · Software version 2.0.0 · Windows 10 / 11 (64-bit)

1. What it does

Volanti Control Panel is a touch-first Windows application for adjusting the picture and video input on a Volanti 4K touchscreen. It talks directly to the display's controller board, so the settings change on the screen itself rather than in Windows.

It gives you four controls:

- **Brightness** — how much light the panel emits.
- **Contrast** — the difference between the lightest and darkest parts of the image.
- **Black Level** — how dark the darkest parts are rendered.
- **Input** — which video source the display shows.

Volanti displays only. Control Panel is built for the controller board fitted to Volanti touchscreens. It will not find or control a third-party monitor, and the command set it uses is unlikely to match one.

2. Before you start

Operating system	Windows 10 or Windows 11, 64-bit
Display	A Volanti 4K touchscreen
Connection	A data connection between the display and the PC. A single USB-C cable carries both video and data, which is why USB-C is the simplest setup.
Input devices	Touch, stylus or mouse
Licence	Free with every Volanti display. No key, no activation, no trial timer.

3. Installing

1. Download the installer from volantidisplays.com/s/control-panel.
2. Run **Volanti Control Panel Setup 2.0.0.exe**.
3. Choose an install location if you want to change the default, then continue.
4. Launch **Volanti Control Panel** from the Start menu.

The installer does not require administrator rights for the application itself, and installs for all users of the PC.

If Windows shows a publisher warning, check that you downloaded the installer from volantidisplays.com. Released builds are signed as *Volanti Displays Inc.*

4. First run

There is nothing to configure. On launch, Control Panel scans the PC's serial ports, identifies the Volanti controller board and connects to it automatically. It then reads the display's current video input so the correct button is already highlighted.

This normally takes a second or two. The connection status is shown at the top of the window.

5. Using the controls

Brightness, Contrast and Black Level

Each is a slider running from 0 to 100. Drag the slider, or tap a point on the track to jump to it. The change is sent to the display as you move, so you can judge the result on screen.

Control	Range	Default
Brightness	0 – 100	100
Contrast	0 – 100	50
Black Level	0 – 100	50

The sliders and their touch targets are deliberately oversized, so they can be driven accurately with a fingertip or a gloved hand.

Switching video input

Three inputs are available: **HDMI**, **DisplayPort** and **USB-C**. Tap the one you want.

Because switching to an input with nothing connected would leave you looking at a blank screen with no way to tap your way back, Control Panel asks you to confirm:

- A *Switch input?* prompt appears with a **10-second countdown**.
- Tap **Keep** (or press Enter) to stay on the new input.
- Tap **Cancel**, or simply let the countdown run out, and the display returns to the input you were on.

If the screen goes blank after switching, do nothing. The display returns to the previous input automatically once the ten seconds are up.

6. Troubleshooting

Control Panel cannot find the display

- Confirm the display is powered on.
- Check the cable between display and PC. If you are using USB-C, make sure the cable supports data as well as video — charge-only cables will carry power but nothing else.
- Close and reopen Control Panel to trigger a fresh scan.
- If another application is holding the serial port open, close it and try again.

The sliders move but nothing changes on screen

This usually means the app is connected to something other than the Volanti controller. Close Control Panel, disconnect any other USB serial devices, and reopen it.

Session logs

Each session writes a log file that records which ports were scanned, which board was found and what was sent. If you contact support, attaching the log makes diagnosis much quicker.

Logs are written to:

```
%APPDATA%\Volanti Control Panel\logs\
```

Files are named `session-YYYY-MM-DDTHH-MM-SS.txt` . Paste the folder path into File Explorer's address bar to open it.

7. Technical notes

Control Panel communicates with the display's ALC-4096 controller board over RS-232 at 9600 baud, using that board's documented command set. It opens the port only while running and releases it on exit.

Settings are applied to the display itself, not stored in Windows, so they persist on the screen independently of the PC.

8. Getting help

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