newline

DV GO 135

User Manual



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Introduction

About this manual

This guide covers the DV Go 135 transformable LED display, including setup, movement, raising and retracting the screen, basic system operation, wireless sharing, file management, and routine care.

Purpose and scope

This guide is for product owners, operators, and trained service personnel. Display configuration, labels, and software screens may vary by production batch. Follow the labels and instructions supplied with the delivered unit.

Conventions

Label	Meaning
WARNING	A condition that could cause injury, electric shock, fire, or major product damage.
IMPORTANT	A required action or limitation that helps prevent equipment damage or data loss.
NOTE	Additional information that makes a procedure easier to complete.
Bold text	A button, menu, setting, connector, or field shown on the product or in software.

IMPORTANT: Before connecting power, check the delivered unit's rating label and use a properly grounded outlet within its specified limits.

Safety

Installation and handling precautions

The DV Go 135 combines a large LED display with a motorized raise-and-unfold mechanism and wheeled flight case. Keep the unit stable and protect people from pinch points whenever it is moved or operated.

WARNING: Keep people, hands, cables, and objects clear of the screen and lift mechanism during movement. Operate only when the unit is stable and the movement path is unobstructed.

- Use trained personnel and suitable handling equipment to move the heavy flight case. Keep it upright and use designated handles; do not push or pull on the LED surface or moving frame.
- Move the unit only on a level, solid floor. Do not roll it over stairs, ramps, uneven surfaces, or thresholds that could cause it to tip.
- Lock the casters and lower the stabilizing foot cups before operating the display.
- Keep people, cables, and objects clear of the case, screen, and full movement path. Never stand beneath or lean on the raised display.
- Keep the LED surface away from impact, pressure, sharp objects, liquids, and cleaning sprays.
- Do not operate the product if it is unstable, visibly damaged, or if a cable or connector is damaged.
- Before transport, retract and secure the display as directed by the product controls, close and latch all doors, and verify the case is stable.

Electrical, service, and operating precautions

Electrical safety

- Connect only to a properly grounded outlet within the voltage and frequency range shown on the delivered unit's rating label.
- Use the supplied power cable or an approved replacement with the specified rating and connector.
- Route cables to prevent pinching, crushing, trips, and contact with moving parts.
- Disconnect AC power before connecting or disconnecting internal cables or performing maintenance beyond routine cleaning.
- Do not operate with exposed conductors, moisture, loose connectors, or a missing ground connection.

Service and LED surface

- LED modules, power supplies, lift components, and controller electronics are not user-serviceable. Internal service must be performed by qualified personnel.
- Wear clean gloves when handling parts near the LED surface. Use ESD protection for authorized internal service work.
- Clean the LED surface only with a clean, dry, soft cloth or soft anti-static brush. Do not spray liquid directly onto it.
- If smoke, unusual odor, abnormal heat, unusual noise, or unexpected movement occurs, stop operation, disconnect power if safe, and contact qualified service personnel.

NOTE: Follow local requirements for recycling and disposal of packaging, batteries, electronic components, and end-of-life equipment.

Product overview

The DV Go 135 is a 135-inch transformable LED display stored in a wheeled flight case. Its motorized mechanism raises and unfolds the display for use. The supplied system includes a NovaStar TU20 PRO video controller and an integrated touchscreen operation panel. No assembly is required for normal operation.



Front view of the DV Go 135 in its raised operating position

External components

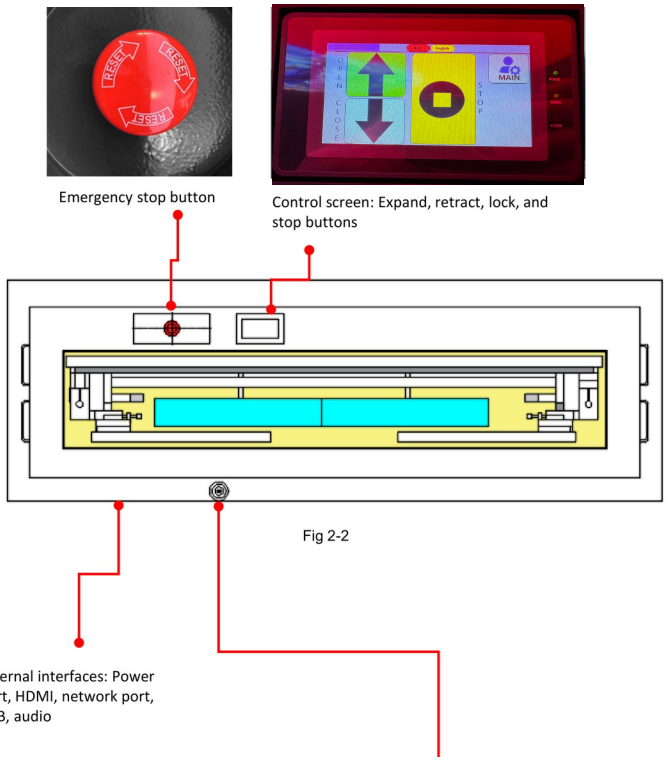
Component	Function
LED display	Displays video, images, presentations, or other content.
Touchscreen control panel	Provides Expand, Retract, Lock Screen, and Stop commands.
Emergency stop	Stops motion immediately when pressed.
Main power cutoff switch	Switches system power on or off.
External connection ports	Provide labeled power, HDMI, network, USB, and audio connections as equipped.
Cabinet doors	Provide access to storage and internal service areas; close before lifting.
Stabilizing foot cups	Support and stabilize the unit during operation.
Casters	Allow the case to roll on suitable flooring; lock before operation.

System components

Internal components and functions

The system includes these main assemblies:

Component	Function
NovaStar TU20 PRO controller	Manages video processing and LED display output.
LED display modules	Form the image surface.
Motorized raising and unfolding mechanism	Moves the display between stored and operating positions.
Safety edge and sensors	Detect obstructions and monitor cabinet and travel positions.
Power distribution	Supplies the display and control system.
Accessory storage	Stores supplied cables, tools, and accessories.
Remote control (if supplied)	Provides control functions supported by the installed configuration.



Touchscreen operation panel, emergency stop, and external connection area

Included equipment

Check the shipment against the packing list for your order. The standard equipment schedule includes:

Item	Quantity	Notes
DV Go 135 transformable LED display	1 system	135-inch system; confirm exact configuration on order documents.
NovaStar TU20 PRO video controller	1	Video controller
Flight case with motorized raise-and-unfold function	1	Integrated lift and case
Custom short signal cables	22	Cat 6A, 9 cm
Cat 6A data cables	3	2.6 m
Cat 6A data cables	3	5 m
Upper/lower power-board adapter cables	24	Cascaded power-board connections
Cabinet left/right power cable	1	Custom UL 14 AWG, 710 mm
Signal/power cables	5	14 AWG UL, 3 m; one end bare wire
Square connecting plates	40	80 × 80 × 10 mm
Half connecting plates	50	38.5 × 80 × 10 mm
M6 × 8 screws	220	Check quantity against packing list
Tools and accessories	As listed	Suction cup, magnetic tool, wrench set, cloths, gloves, spare ICs, screws, and USB drive

IMPORTANT: Cable types and lengths are product-specific. Use only the supplied or approved cables and match each cable to the labeled port.

Unpacking and initial setup

No assembly of the display is required. Remove the protective shipping casing before use, then position the unit on a level floor with enough clearance for the display to raise and unfold.

1 Protective travel case



2 Remove retaining screws



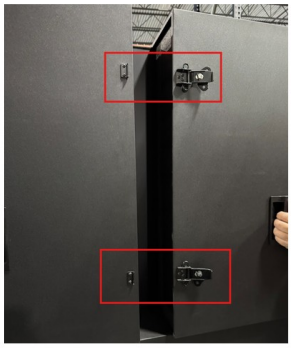


3 Release and remove side panels





4 Remove the four top sections





Unpacking sequence

Before operation

1. Move the case to a level, solid floor near its intended operating position. Lock the casters and lower the stabilizing foot cups.
2. Use the tool stored in the side toolbox to remove the designated retaining screw from each side of the lower case. Store the screws in the toolbox for repacking. Do not remove other fasteners.
3. Release the side latches and carefully pull the lower case panels away. Keep the panels from tipping. Reassemble and latch the panels for storage.
4. Unlatch the four top-case sections and lift them away one at a time. Ask for assistance with heavy sections. Keep hands clear of the display and moving parts.
5. Check the display and case for shipping damage. Leave sufficient space behind and above the unit for the screen to unfold. Keep people, cables, and objects clear of its full movement path.

WARNING: Keep hands clear of case doors, screen edges, and moving parts. Do not remove or lift any part of the display or lift mechanism.

Connect and power the system

1. Confirm the display is on a level surface, the casters are locked, the stabilizing foot cups are lowered, and the movement path is clear.
2. Remove supplied (NEMA 5-20P) power cord from the rear storage compartment. Connect it to the rear power input and to a grounded outlet (NEMA 5-20R) that meets the rating label on the delivered unit. Use a dedicated circuit where required by the product rating and local electrical code. Confirm the required voltage and current before connecting.
3. Connect a source device to a matching, labeled input on the rear I/O panel. Keep all cables clear of the screen and lift mechanism.
4. Make sure the blue main power switch is in the ON position. The system should start automatically and may begin playing preloaded Newline content.
5. Confirm that the emergency stop is released and the control panel is ready. Stop if the system reports an error or appears damaged.

NOTE: Port layout may vary by configuration. Connect equipment only to matching, labeled ports and follow the wiring diagram for the delivered unit.

Raise or lower the display

Use the front keypad or supplied white lift remote to raise or lower the display. Confirm the case is stable and the complete movement path is clear before operating. Press and hold Open/Expand briefly to begin movement, then use Stop to pause. Labels may vary by configuration.

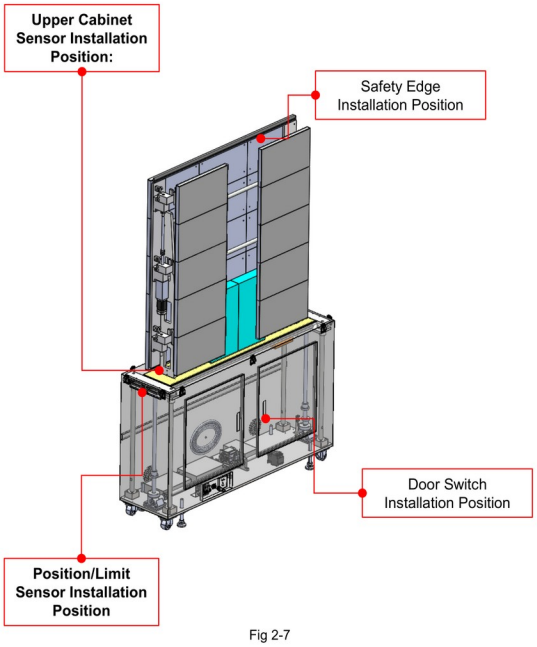


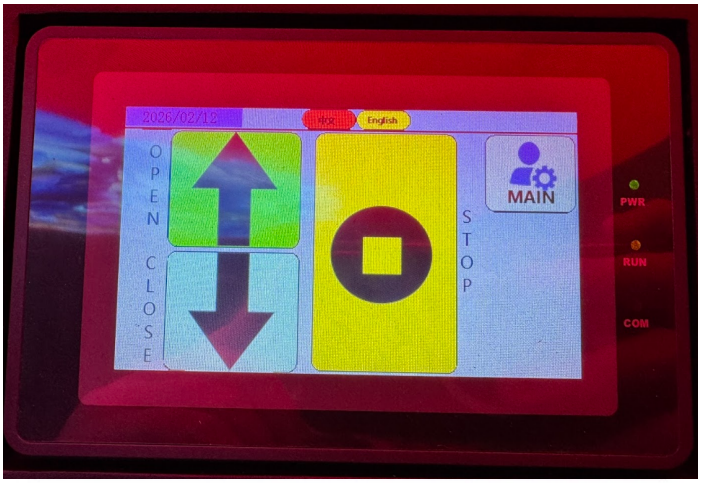
Fig 2-7

Illustration of safety sensor and interlock locations (refer to the delivered unit labels)

WARNING: Do not place hands or tools inside the case or near the mechanism while the display is moving.

Raise, unfold, and retract the display

Touchscreen control panel





Emergency stop button



Example touchscreen controls and remote

The front keypad provides Open/Expand, Retract, Lock Screen, and Stop controls. A white lift remote may also be supplied. The red emergency stop is beside the keypad. Control labels and remote availability may vary by configuration.

Raise or unfold the screen

1. Check that cabinet doors are closed, the case is stable, and the complete movement area is clear.
2. Press and hold Open or Expand on the keypad or white lift remote to raise and unfold the screen.
3. Release the control when the screen reaches the intended position. Press Stop on the keypad or remote to stop movement if needed.

Retract or stop movement

Press and hold Retract to lower and fold the screen into the case. Press Stop on the keypad or remote to stop movement. The emergency stop beside the keypad halts motor operation; reset it by twisting the knob only after the cause is resolved and the movement area is clear. Do not leave the product unattended while it is moving.

IMPORTANT: Keep the full movement path clear. If the screen does not move smoothly or a safety message appears, stop and contact service.

Movement safety and interlocks

Built-in protections

The safety edge at the top of the screen stops movement if it detects an obstruction.

Upper-cabinet sensors prevent flattening until the upper cabinet is fully open.

Door-proximity switches disable lifting if a cabinet door is open.

Position and limit sensors stop movement at the mechanism's travel limits.

Never bypass sensors, switches, or other safety interlocks. Keep hands and tools away from pinch points.

Emergency stop

Press the red emergency stop if movement must stop immediately. Do not resume until the cause has been identified and the movement path is clear. Reset by twisting the knob, then follow the control-panel instructions. Contact qualified service if the stop does not reset or the system does not operate normally.

Screen lock

Use Lock Screen on the touchscreen to prevent accidental operation when the display is stationary. Unlock using the on-screen instruction.

If movement stops or a protection message appears

Do not force movement or repeatedly restart the mechanism. Check for an obstruction and read the on-screen status. If the message persists or movement remains abnormal, stop use and contact qualified service personnel.

NOTE: Follow on-screen status and allow the system to cool or reset only as directed by the manufacturer.

Display operation

Pair the display remote

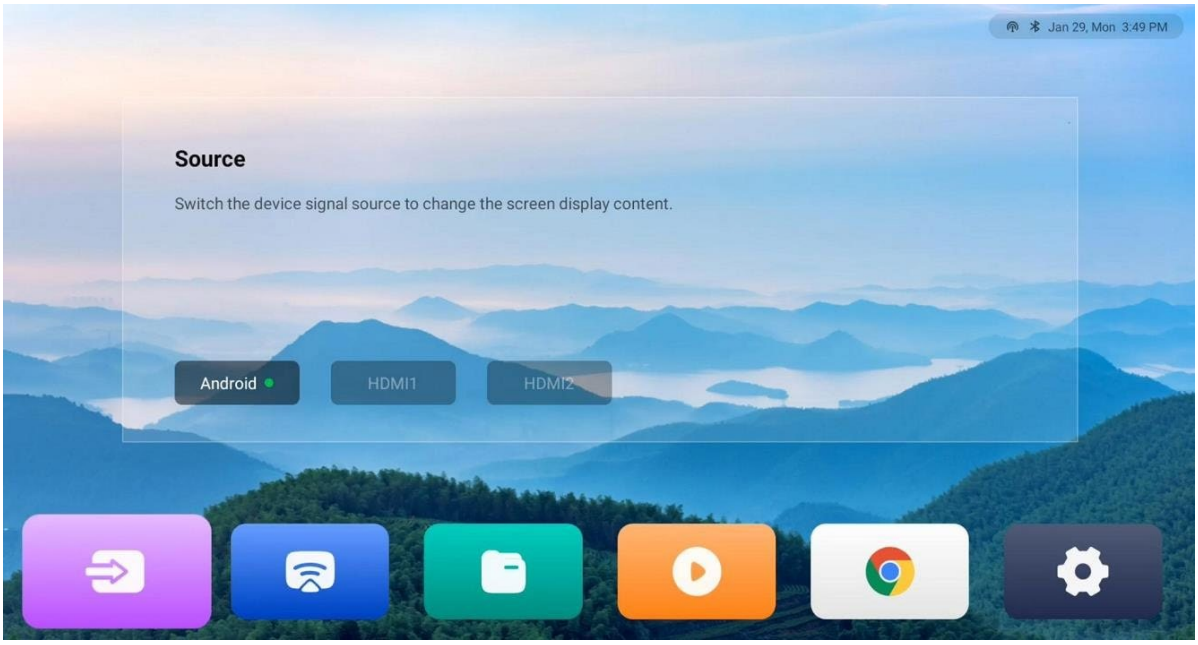


Display remote control

Use the black remote to navigate the Android controller. If the source does not switch automatically, open the input or source menu and select the connected HDMI input. Remote behavior may vary by configuration.

Select an input source

1. From the home screen, select Input Source, or press Menu on the remote to open the signal source interface.
2. Select the input connected to your source device.
3. Press OK to confirm the selection.



Example source selection interface

NOTE: Menu names and source availability may vary by software version and connected equipment.

Wireless screen mirroring

Connect the source device to the controller network before starting wireless mirroring. Casting options depend on the installed controller software and network configuration.

Cast from Android using Screen Wizard

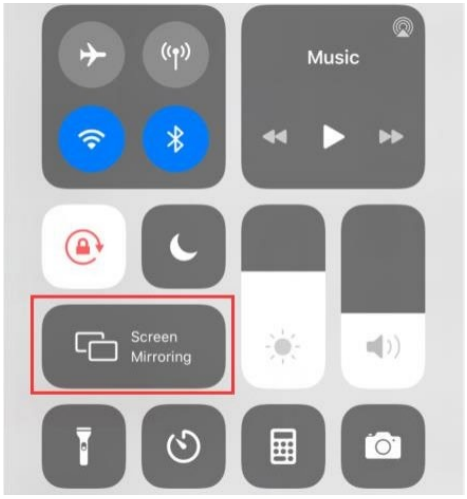
1. On the display home screen, select the screen-casting icon to open casting settings.
2. Scan the Phone Casting QR code with the mobile device to download and install Screen Wizard.
3. Open Screen Wizard and select Local Connection.
4. Connect the phone to the controller hotspot using the network name and password shown on the display or provided by the system administrator.
5. In Screen Wizard, open Local Devices, refresh the list, and select the target display.
6. Return to the app home screen and select Screen Interaction to begin sharing.
7. Adjust casting options as needed. To stop, select the active casting indicator and choose Stop Casting.

SECURITY NOTE: Use the current controller network credentials shown by the system or supplied by the administrator. Avoid sharing network credentials with unauthorized users.

Cast from iOS or Windows

iOS screen mirroring

1. Connect the iPhone or iPad to the controller hotspot using the current network name and password shown on the display.
2. Open Control Center and tap Screen Mirroring.
3. Select the target display to start sharing.



Example iOS Control Center Screen Mirroring control

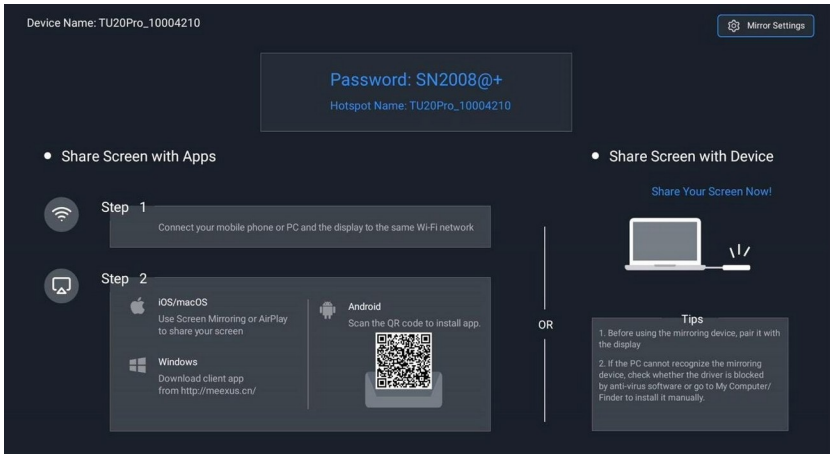
Windows projection

1. Install the Windows projection client recommended for the delivered controller. Use the current download instructions or QR code supplied with the product.
2. Connect the PC to the controller hotspot using the current network name and password shown on the display.
3. Open the client. When it detects the display, select Start Casting.

NOTE: Use the current client version recommended for your computer's operating system.

Screen-casting settings

Open the casting icon from the home screen to adjust the available sharing settings. Available options depend on the installed controller software.



Example screen-casting settings interface

Stop a sharing session

Select the active casting indicator at the top of the casting page and choose Stop Casting. If a device remains connected, close the casting application on that device and disconnect it from the controller hotspot.

If mirroring does not start

- Confirm the source device is connected to the correct network.
- Refresh Local Devices in Screen Wizard and select the correct display.
- Confirm that the required casting client is installed and updated.
- End any existing sharing session, then reconnect.

File management

Use File Management from the system home screen to browse connected USB storage or system storage. Available actions may include opening, copying, cutting, pasting, deleting, or managing folders.



Example file management screen

Manage folders and files

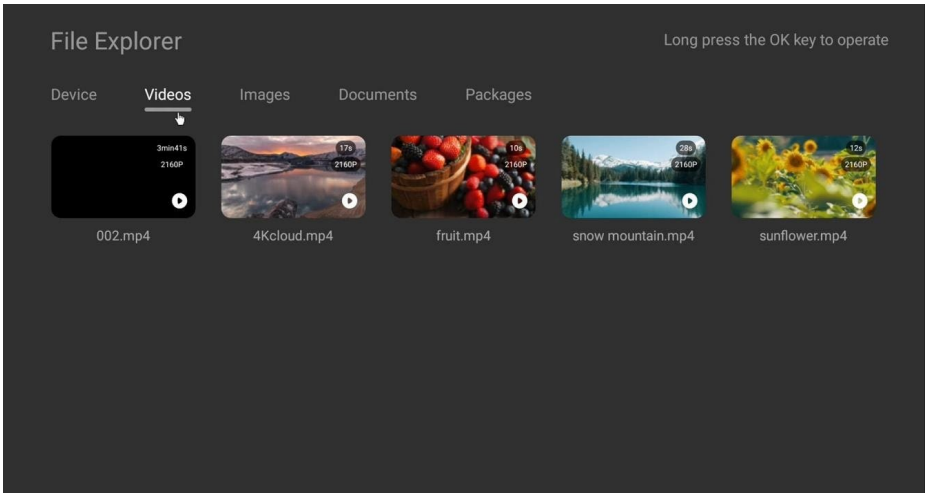
1. Open File Management from the home screen.
2. Choose the Devices tab and select the USB drive or system storage location.
3. Browse to the folder or file you need.
4. To open the operation menu for a folder, select it and press and hold OK on the remote.
5. Choose the required action and confirm any on-screen prompt.

IMPORTANT: Deleting files is permanent unless a separate backup exists. Confirm the selected drive and file before deleting.

Preview and search media

Preview or delete a video or image

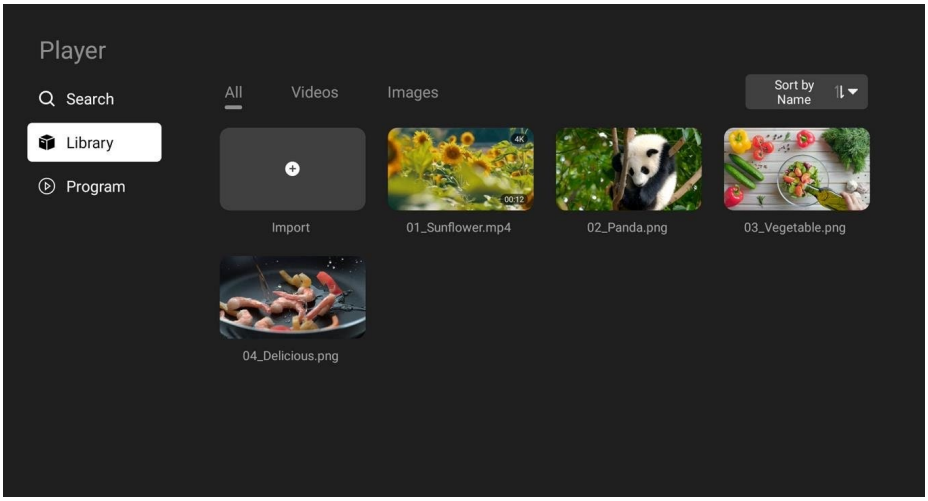
1. Open File Management and select the Video or Image tab.
2. Press OK briefly to preview the selected media. Use Left and Right to move between items.
3. Press Back twice to exit preview mode.
4. To delete a media item, press and hold OK and confirm the deletion prompt.



Example media browser

Search for media or programs

1. From the home screen, open Player.
2. Select Search from the left navigation bar.
3. Choose Media Library or Programs as the search scope.
4. Enter letters or numbers. Matching items are filtered as you type.



Example Player search screen

Care and troubleshooting

Routine care

- Keep the case, vents, connectors, and storage areas free of dust and loose objects.
- Clean the LED surface with a clean, dry, soft cloth or anti-static brush. Do not press on LED packages.
- Inspect the power cable, signal cables, caster locks, foot cups, case doors, and movement path before each use.
- Before transport or storage, retract and secure the display. Return the power cord, remotes, tools, and accessories to their designated compartments. Close each compartment flush and secure all latches.
- For internal cleaning, module replacement, or lift service, contact qualified service personnel.

Basic troubleshooting

Symptom	Checks and action
Display does not power on	Check that the power cord is secure, the blue main switch is ON, and the outlet and circuit meet the unit rating label. Check for a tripped breaker. Use a dedicated circuit when required by the product rating.
Control panel is on, but the screen is blank	Confirm that the controller is powered on using the case power button or black remote. Check that the correct input is selected and the source device is on.
Screen does not raise or retract	Check for an obstruction, open case door, engaged emergency stop, or control-panel warning. Do not force the mechanism, repeatedly restart it, or bypass an interlock. Contact qualified service if the issue continues.
Gaps remain at the folded screen seams	Use the keypad or white lift remote to raise and fully extend the display. Keep clear while it moves.
Connected source is not displaying	Confirm the source device is on, the correct input is selected, and the HDMI connection is secure. Try a known-good cable or source device.
Wireless casting fails	Connect the source device to the network shown by the controller, refresh the device list, and end any existing sharing session before reconnecting.
Image flickers or has lines, blank areas, or uneven quality	Stop using the display and document the issue with photos or video. Do not remove LED modules or touch internal connections. Contact qualified service personnel.
Files do not appear	Select the correct storage device and media tab. Reconnect the USB drive and refresh the list.

WARNING: Stop using the system if the display moves unevenly, the case shifts, or abnormal heat, odor, smoke, or noise is present. Disconnect power if safe and contact service.