newline

DV GO 108

User Manual



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Introduction

About this manual

This guide covers the DV Go 108 raise-from-case display, including unpacking, moving, raising and lowering the display, basic system control, wireless sharing, file management, and routine care.

Purpose and scope

The instructions are for product owners, operators, and trained installation or service personnel. Product appearance and software screens can vary by production batch or software version. Follow the labels on the delivered unit and the instructions provided with the installed controller.

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 rating label on the delivered unit and use a properly grounded outlet that matches its rating.

Safety

Installation and handling precautions

The DV Go 108 combines a large LED display, a motorized lift, and a wheeled flight case. Keep the unit stable and protect people from pinch points whenever the display is moved or the lift is operated.

WARNING: Keep people, hands, and objects clear of the display and lift mechanism while raising or lowering. Operate the lift only when the unit is stable and the movement path is unobstructed.

- Use at least two trained people to move or reposition the flight case. Keep it upright and support it from the case handles, not the LED surface or lift columns.
- Roll the unit only on a level, solid floor. Do not move it over stairs, ramps, uneven surfaces, or thresholds that may cause the case to tip.
- Lock the casters before removing covers, connecting cables, or operating the display.
- Keep the area around the case and display clear. Do not allow anyone to 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 any cable or connector is damaged.
- When transporting, lower and secure the display in the case and close all covers and latches before moving.

Electrical, service, and operating precautions

Electrical safety

- Connect only to a properly grounded outlet that matches the rating label on the product.
- Use the supplied power cable or a replacement with the same approved rating and connector type.
- Route cables to avoid pinching, crushing, tripping, or contact with moving parts.
- Disconnect AC power before connecting or disconnecting internal cables or performing maintenance beyond routine cleaning.
- Do not operate the unit with exposed conductors, moisture, a loose connector, or a missing ground connection.

Service and LED surface

- Internal LED modules, power supplies, lift components, and controller electronics are not user-serviceable. Internal service must be performed by qualified personnel.
- Use ESD protection for authorized internal service work. Wear clean gloves when working near the LED surface.
- Clean the LED surface only with a clean, dry, soft cloth or soft anti-static brush. Do not spray liquid directly onto the display.
- If the product produces smoke, an unusual odor, abnormal heat, or unusual noise, 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 108 is a 108-inch raise-from-case LED display. The display is stored in a wheeled flight case for transport and raised from the case for use. The system includes a NovaStar TU20 PRO controller and a motorized lift control system.



Front view of the raised display and flight case

External components

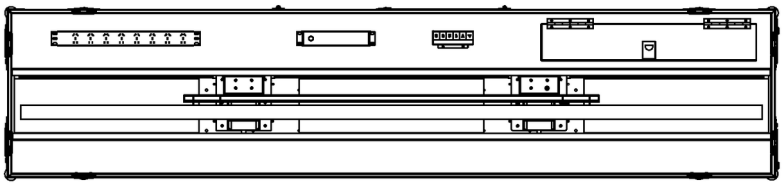
Component	Function
Protective access cover	Covers the case opening and protects the stored display and equipment during transport.
Latches	Secure the protective cover and case panels.
Handles	Provide gripping points for trained personnel when handling the case or cover.
Casters	Allow the case to roll on suitable level flooring. Lock before setup or operation.
LED display	Displays video, images, presentations, or other content.
Motorized lift	Raises and lowers the display from the case.
Local lift controls	Provide manual Up and Down commands for the lift.

System components

Internal components and functions

The system includes these main assemblies:

Component	Function
External power port	Provides a DC input for auxiliary equipment or redundant power, as configured.
Control unit	Coordinates display control, lift commands, and communication functions.
Local control panel	Provides manual Up and Down lift commands for setup or adjustment.
Storage compartment	Holds accessories such as cables, adapters, remote controls, and tools.
Lifting mechanism	Motor and guide assembly that positions and supports the display.
LED display module	The visual output assembly.



Control and connection area

Included equipment

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

Item	Quantity	Notes
DV Go 108 LED display	1 system	Raise-from-case display
NovaStar TU20 PRO controller	1	LED video controller
Flight case with raise-from-case lift	1	Case structure listed as 2493 x 546 x 1610 mm
Custom short signal cables	15	Cat 6A, approximately 9 cm
Custom data cables	3	Cat 6A, 2.6 m
Custom data cables	3	Cat 6A, 5 m
Upper/lower power-board adapter cables	15	For cascaded power boards
Cabinet left/right power cables	2	Custom 63J cabinet cascade cables
Signal/power cables	3	Custom cables; inspect labels before use
Main AC power cable	1	10 m, 15 A US plug per equipment list
Connecting plates and screws	As listed	40 square plates, 30 half plates, 220 M6 screws
Accessories and tools	As listed	Suction cup, magnet tool, wrench set, cloths, gloves, USB disk

IMPORTANT: Cable types and lengths are product-specific. Use only the supplied or approved cables, and do not substitute a cable based only on connector fit.

Unpacking and initial setup

No assembly is required. Prepare a clear, level setup area with sufficient overhead and floor clearance for the display to rise. Keep the case upright and lock its casters before opening it.



Two people should handle the large protective cover



Release side fasteners before lifting the cover

Open the flight case

1. Position the case on a level, solid surface and lock all casters.
2. At the front of the case, move the primary latch to the UNLOCK position.
3. Release the side latches. Slide each elongated fastener to its open position and turn the circular retaining latch counterclockwise until disengaged.
4. With two people standing on opposite sides, hold the dedicated cover handles. Lift the cover straight up together and move it to a secure storage location.
5. Inspect the display, lift rails, cables, connectors, and case for shipping damage before connecting power.

WARNING: The cover is large and heavy. Do not attempt to remove it alone. Keep fingers clear of latches and cover edges.

Connect and power the system

1. Confirm that the unit is stable, the casters are locked, and the lift path is clear.
2. Connect the supplied main power cable to the product power input and a grounded outlet that matches the product rating label.
3. Connect the required signal and data cables according to the labels and the connection diagram for your specific unit.
4. Press the main power control on the unit to apply power.
5. Allow the controller and display to start before selecting an input or beginning screen mirroring.

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 lift remote or the local Up/Down controls. Before moving the display, verify that the case is locked in place and no person, cable, or object is within the lift path. Keep the control button pressed only as directed by the control system and stop if movement is uneven or obstructed.

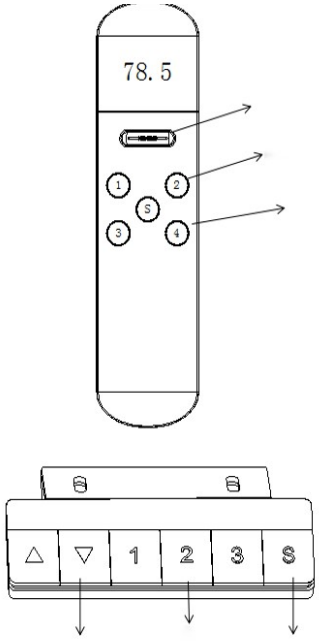


Rear view of the display mounted to the lift columns

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

Lift control and remote

Lift remote buttons



Lift remote and local control panel

The lift remote includes Up and Down controls, memory positions, and an S (set) key. The local control panel provides Up and Down buttons for direct operation.

Pair the lift remote

1. Press and hold S and 4 on the lift remote for approximately 5 seconds until the display flashes 00.0.
2. Power on the lift controller.
3. When CO appears on the remote display, pairing is complete.

Initialize or reset the lift

After installation and connection to the control system, press and hold the local Down button. The display should show RST and then return to the initial height value when initialization is complete.

IMPORTANT: Keep the lift path clear during initialization. If the lift does not move smoothly or the display does not return to a normal value, stop and contact service.

Lift positions and protection

Store and recall a position

1. Wait until the lift is stationary.
2. Press S. The display shows SET.
3. Press memory button 1, 2, 3, or 4 to store the current lift position in that slot. Saving a position replaces the previous value in that slot.
4. To recall a stored position, press the corresponding memory button. Stay clear of the moving display.
5. To stop movement, press any button on the lift remote.

Change the displayed unit

Press and hold S for approximately 8 seconds to switch between centimeters and inches.

Child lock

Press and hold S and 2 together until LOC appears to lock the lift remote buttons. Repeat the same key combination to unlock.

Duty-cycle protection

If the system performs approximately 3 to 4 full cycles continuously, the lift controller may show HOT and pause operation. Allow the unit to cool for about 18 minutes. If the controller requires a reset, disconnect and reconnect its power adapter only when the lift is stationary and it is safe to access the adapter.

NOTE: Protection timing can vary by controller. Follow any status shown on the lift display and allow the unit to cool before restarting.

Display operation

Pair the display remote

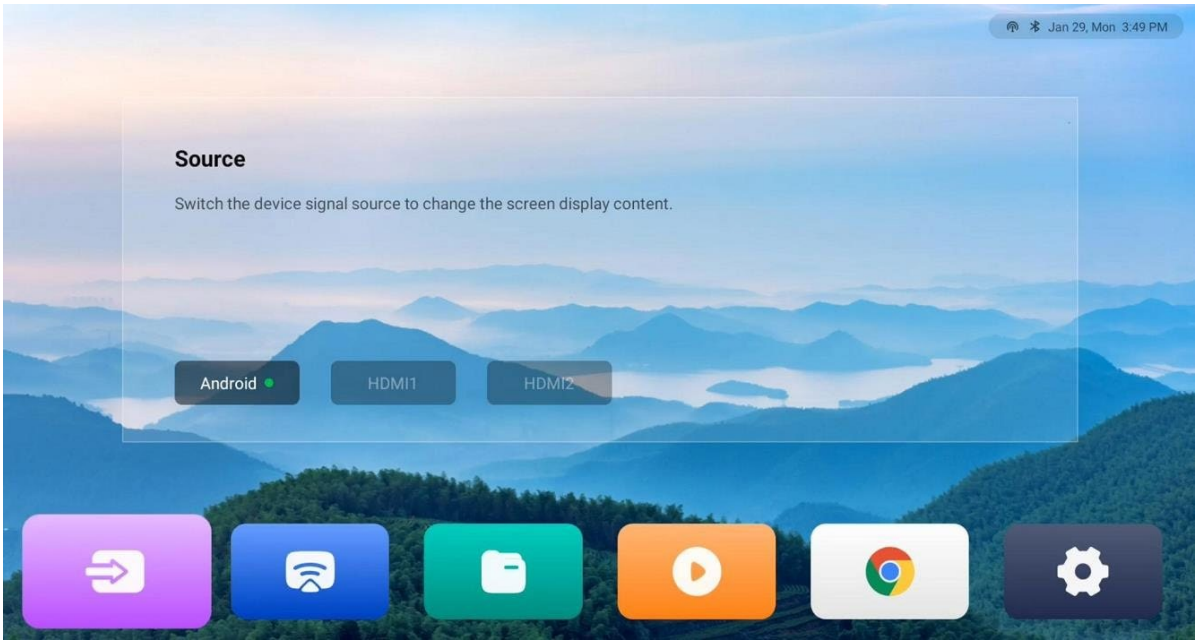


Display remote control

Point the remote at the display infrared sensor. Press and hold Home and Menu together until the screen shows the remote pairing message, then follow the on-screen prompt.

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 mobile device or computer to the LED controller network before starting wireless mirroring. Casting is available through Screen Wizard, iOS Screen Mirroring, or a Windows client, depending on the source device.

Cast from Android using Screen Wizard

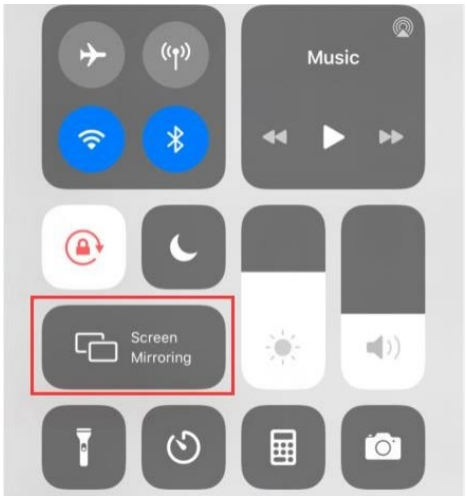
1. On the display home screen, select the screen-casting icon to open casting settings.
2. Scan the Phone Casting QR code with the mobile device to download and install Screen Wizard.
3. Open Screen Wizard and select Local Connection.
4. Connect the phone to the LED controller hotspot. The default hotspot name is TUxxPro_xxxx and the default password is SN2008@+. Use the current credentials displayed by the system if they differ.
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: The hotspot name and password above are factory defaults. Change default credentials if the controller supports it, and share network credentials only with authorized users.

Cast from iOS or Windows

iOS screen mirroring

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



Example iOS Control Center Screen Mirroring control

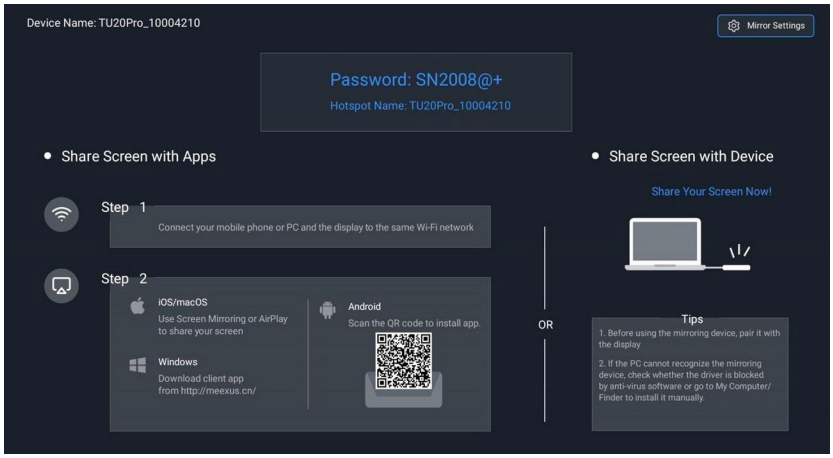
Windows projection

1. On the PC, open a web browser and go to meexus.cn to download the client for your operating system.
2. Connect the PC to the LED controller hotspot using the current network name and password.
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

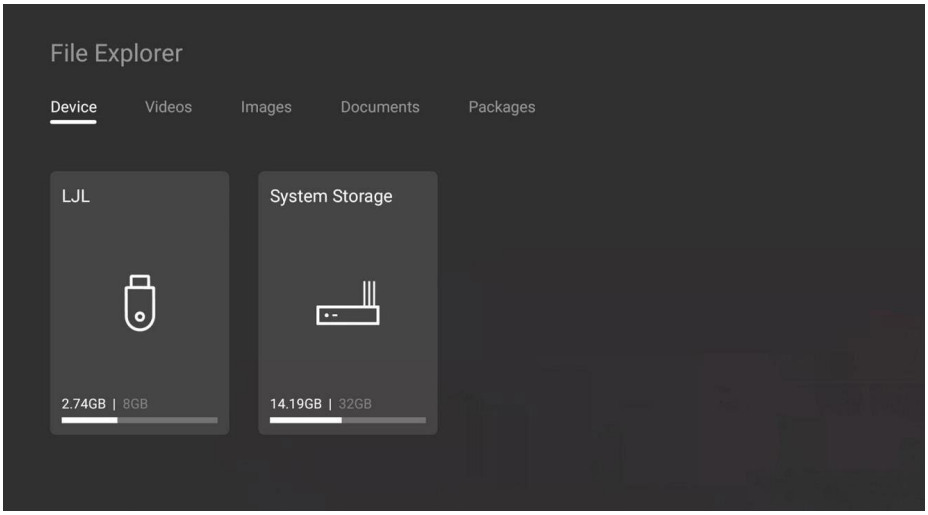
Select the active casting indicator at the top of the casting page and choose Stop Casting. If a device remains connected, close the casting application on that device and disconnect it from the controller hotspot.

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

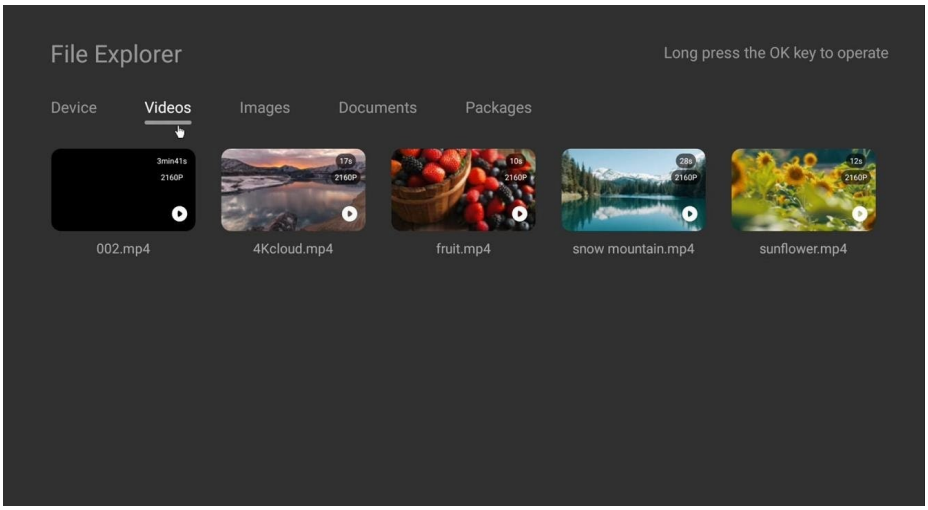
1. Open File Management from the home screen.
2. Choose the Devices tab and select the USB drive or system storage location.
3. Browse to the folder or file you need.
4. To open the operation menu for a folder, select it and press and hold OK on the remote.
5. Choose the required action and confirm any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

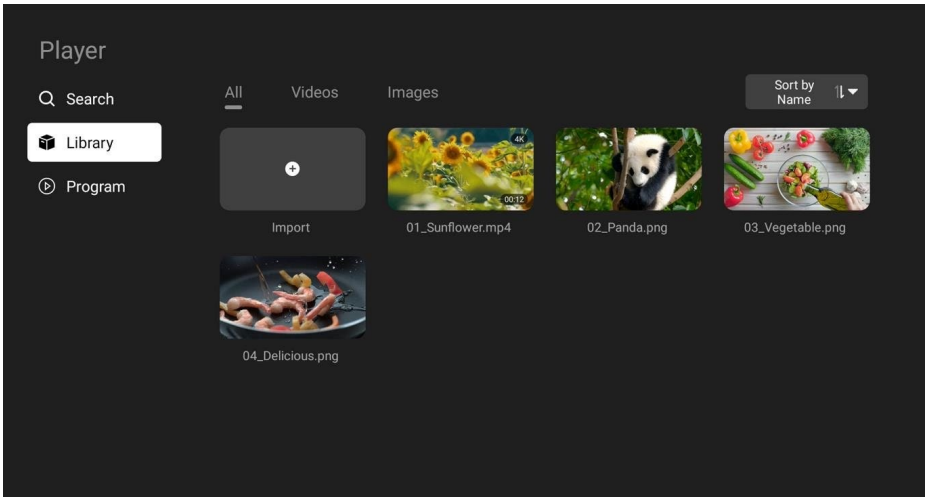
1. Open File Management and select the Video or Image tab.
2. Press OK briefly to preview the selected media. Use Left and Right to move between items.
3. Press Back twice to exit preview mode.
4. To delete a media item, press and hold OK and confirm the deletion prompt.



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, case latches, caster locks, and lift path before each use.
- Lower the display and secure it in the case before transport or storage.
- For internal cleaning, module replacement, or lift service, contact qualified service personnel.

Basic troubleshooting

Symptom	Checks and action
Display does not power on	Check the outlet, power cable connection, and product power switch. Confirm the outlet matches the rating label.
No image from source	Confirm the selected input, source device power, and signal cable connections. Try a known-good source and cable.
Lift remote does not respond	Check the lift controller power. Pair the remote again using S + 4. Confirm child lock is off.
Lift shows HOT	Stop cycling the lift and allow the controller to cool for about 18 minutes.
Wireless casting fails	Confirm network connection and hotspot credentials; refresh the device list; end any active session and reconnect.
Files do not appear	Confirm the correct storage device and tab are selected. 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.

Specifications and support

Item	Specification
Product	DV Go 108 raise-from-case LED display
Part number	DV-108GO
Display size	108-inch display
LED controller	NovaStar TU20 PRO
Flight case dimensions	98.15 x 21.49 x 63.39 in (flight case)
Power cable	10 m cable with 15 A US plug; verify unit rating label before connection
Resolution, pixel pitch, brightness	Confirm from approved product specification
Electrical input and consumption	Use the rating label on the delivered unit
Weight, environment, lift range	Confirm from approved product specification and unit labels

IMPORTANT: Use the product rating label and order-specific documentation as the authority for electrical and environmental limits.

Support

For product support, contact the Newline representative or service provider for your region. Have the model, part number, serial number, controller version, and a description or photo of the issue available.

Reference dimensions

The dimensional drawing shows the flight case and the display at more than one lift position. Use the delivered unit and its approved specification for final placement and clearance planning.