

ILLUSTRATED USER GUIDE

VS100 Series

LED Video Processor / VS100 · VS100R · VS100S · VS100W

Connect. Configure. Control.



Original photograph from the supplied series brochure. Connector fitment is configuration-dependent; the pictured rear panel is an example.

5 core inputs

HDMI / DVI / VGA / AV / USB

10 presets

Save and recall your setup

4 models

Choose the required option

Designed around the way you work

This illustrated guide explains the shared controls and practical setup sequence for the VS100 family. Start with the safety checks, identify the connectors on your unit and test the complete display path before operation.

02 Start safely

Safety, preparation and a functional signal-path overview.

03–04 Know the panels

Original front/rear photographs with numbered references.

05–06 Set up & operate

First picture, menus, presets, FULL/PART and BLACK controls.

07–08 Keep a record

USB/audio, fault-finding, technical reference and handover.

Prepared from the supplied VS100 brochure and 12-page manual. It is an editorial adaptation, not a manufacturer-approved replacement for unit-specific instructions.

02 / BEFORE YOU START

Start safely

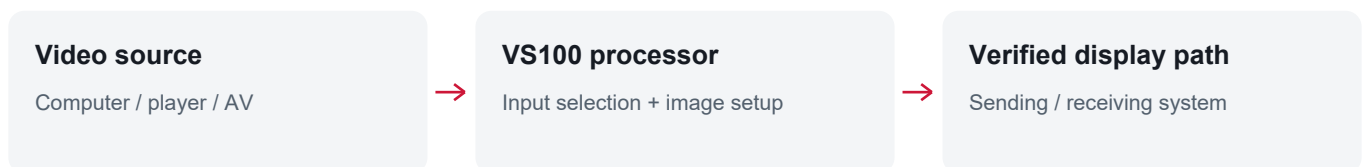
Check the delivered unit and the complete LED system before connecting power.

Electrical safety

Use only the power rating on the unit label and a protective-earth connection. Do not open the enclosure. The source manual states that there are no user-serviceable parts; internal work belongs with qualified service personnel.

- Disconnect the mains supply before changing cabling or servicing. Protect cables from crushing, pulling and foot traffic.
- Keep ventilation openings clear and avoid condensing conditions. Stop using visibly damaged equipment.
- Connect HDMI/DVI with the equipment switched off; the brochure advises against hot-swapping these connections.
- Confirm the exact model, installed sending card, receiving-system compatibility and intended output format. A printed series label does not identify the fitted options.

A functional signal path



Concept diagram only. It does not specify RJ45 quantity, pixel capacity, internal card fitment or a universal cable arrangement. The DVI output may feed a compatible sending card or display.

Before the first picture

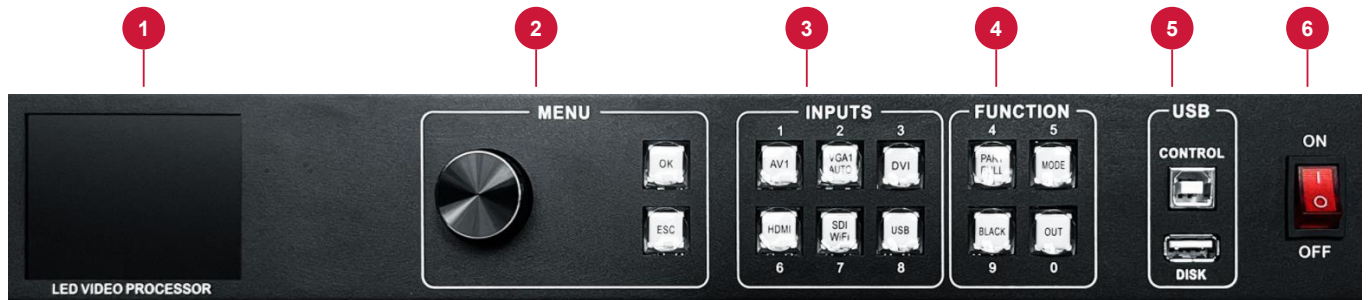
- 01 Identify.**
Read the model and power labels. Match every intended source and output to the actual connector labels.
- 02 Connect.**
With equipment off, connect the required source and the confirmed display path. Keep input, output and control ports distinct.
- 03 Verify.**
Power up, wait for the LCD/default menu and select the source. Confirm signal detection before adjusting output geometry.

Record existing settings before changing an installed system. Keep the original manufacturer documentation available with this guide.

03 / FRONT-PANEL REFERENCE

Know the controls

Numbered references identify areas in the source photograph, not additional hardware features.



Source: supplied manual, PDF p.6. SDI/Wi-Fi labels are shared across the series; availability depends on the model.

1 LCD

Displays menus, source status and operating information.

2 Menu controls

Rotate to choose or adjust; OK confirms and ESC returns.

3 Input keys

Select a source. Optional inputs need matching hardware.

4 Show controls

FULL/PART: picture area. MODE: presets. BLACK: assigned action.

5 USB connections

CONTROL is distinct from DISK. Use the labelled player port.

6 Power switch

Check the connections and unit label before switching on.

Read the input indicator

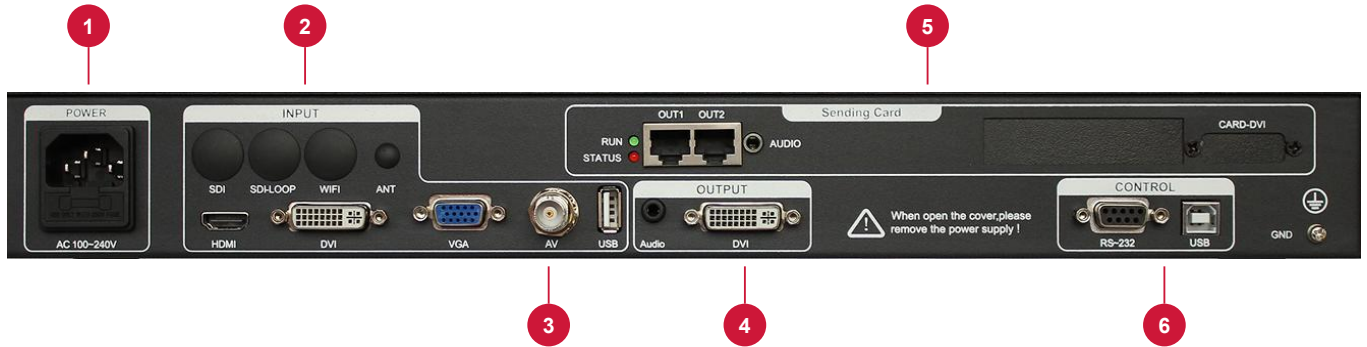
Slow flash	No source signal detected.
Rapid flash	Detecting or decoding the selected signal.
Steady light	Signal connected or function active.

The physical buttons in the source image combine PART/FULL and show OUT. Other source passages use separate FULL/PART wording and EXT. Follow your unit's labels and firmware prompts.

04 / REAR-PANEL REFERENCE

Make the right connection

Read the labels on the delivered unit; the photograph shows one source configuration.



Source: supplied manual, PDF p.5. Covered option positions and the pictured sending-card ports do not establish the delivered specification.

1 AC power

Connect the grounded supply required by the product label. The supplied literature lists 100–240 V AC, 50–60 Hz.

2 Digital sources / options

HDMI and DVI are core inputs. SDI, SDI LOOP and Wi-Fi positions are model-dependent; do not assume a covered position is an installed connector.

3 Analog / media sources

VGA and composite AV are core source inputs. Use the USB player connection identified on the actual panel; control USB serves a different purpose.

4 Processed output

One DVI video output is documented for a compatible sending card or display. Keep this output distinct from the DVI input.

5 Sending-card area

The pictured card arrangement is an example. Verify the actual card, output quantity, receiver compatibility and mapping before connection.

6 Control connections

The source literature identifies RS-232 and USB control. Software, pinouts and installation procedures are not fully specified in the supplied documents.

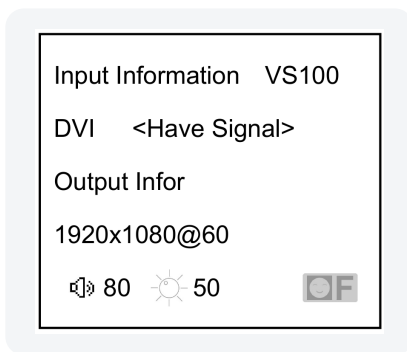
Do not infer capacity from the photograph

The brochure describes one or two sending cards and 2/4 RJ45 outputs; the manual describes one card location. Confirm the supplied configuration, maximum resolution and pixel capacity with the actual system.

05 / SETUP & MENU REFERENCE

Build your first picture

Select a verified output format, then refine the display area and image.

**Navigate with the front panel**

Rotate to select or adjust, OK to confirm and ESC to return. Start from the default screen. Menu names may vary slightly with firmware.

LCD example from the original manual, PDF
p.9. Displayed values are examples, not
recommended settings.

01 Set the language.

Main Menu > System > Language. Choose the required language and confirm.

02 Select a valid source.

Press the corresponding input key. Check source output, cable and LCD signal status before changing display settings.

03 Choose the output format.

Main Menu > Output > Resolution. Select a format verified for the complete sending/receiving system. Source input acceptance does not establish LED output capacity.

04 Match the picture.

Adjust horizontal width, vertical height and position within the selected format. The manual limits precise adjustment to that format; position adjustment may be unavailable at full size.

05 Tune and save.

Use Image for brightness, contrast, saturation and sharpness. Check representative content, then save a preset for the installation.

Resolution changes can reset settings

The manual warns that changing output resolution resets other parameters. Recheck geometry, source, audio and presets before live operation.

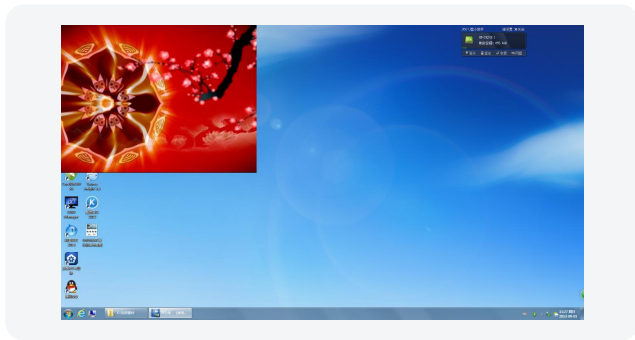
Menu map Output: format/geometry · Image: picture controls · USB: player settings · Function: partial image, VGA and BLACK · Preset: save/recall/erase · System: language, version, lock and reset.

06 / PRESETS & LIVE CONTROLS

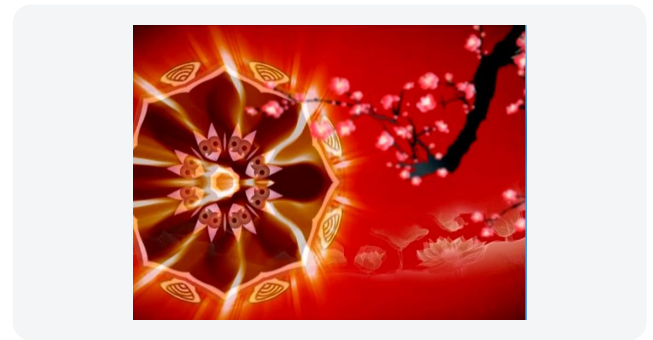
Control the show

Test saved settings and transition behaviour before an event.

FULL and PART



FULL / complete source



PART / selected source area

Original examples from the supplied manual, PDF p.11. Images are reproduced without retouching.

For a partial picture, select the source and open Function > Part Function. Enable it, choose User under Part Mode, then set width, height and horizontal/vertical position. Use PART for the configured region and FULL for the full image.

Save and recall 10 presets

01 Save a slot.

Preset > Save Mode > Preset [1–10] > confirm. Saving to an occupied slot replaces its stored settings.

02 Recall the setup.

Preset > Recall Mode > stored slot > confirm. MODE also opens preset selection; follow the unit's confirmation prompt.

03 Record and test.

Write down the slot used for each installation and verify the result. Automatic retention of current settings is separate from deliberately saving a preset.

BLACK / freeze

Assign black screen or freeze in Function. The same BLACK key performs the selected action. Test activation and return behaviour before live use.

Key lock

System > Key Lock > ON. The manual describes holding OK for 5 seconds to unlock. Check the display after any control change.

07 / PLAYBACK & TROUBLESHOOTING

Keep the signal moving

Check the source and routing before changing the installation.

USB playback

Use the player port for a USB media disk. The USB menu provides photo effects, delay and repeat settings. Test your exact files; file systems, codecs and maximum playback resolution are not specified.

Synchronized audio

Audio output is documented for USB/HDMI and, on the appropriate model, SDI. The manual lists a 3.5 mm stereo output. Verify source selection, audio settings and downstream equipment.

No power / LCD

Check outlet, label, power cord and switch. Stop using damaged equipment. Do not open the enclosure or bypass protection.

No input signal

Confirm the selected source, cable and accepted format. Reconnect HDMI/DVI only with equipment switched off.

Signal but no picture

Check BLACK state, FULL/PART, output format and the confirmed sending/receiving system.

Wrong size / crop

Review output width, height and position. Test FULL, then inspect the partial-image settings. Recheck after a resolution change.

VGA alignment

With a valid VGA picture, press VGA/AUTO again or use Function > VGA Settings > Auto Adjust. Manual position, width and clock phase are available.

USB / wireless issue

Test known-working media in the player port. For VS100W, obtain the fitted module's casting protocol and pairing instructions.

Locked controls

Hold OK for 5 seconds if key lock is active. If the problem remains, record model, firmware, connections and symptoms for service.

Factory reset is a last step

System > Factory Reset > Reset Confirmation restores user parameters. Record the working setup first and plan to recommission the display. Do not reset during a live show.

VGA ADC calibration appears in the original menu, but no complete calibration procedure is supplied. Leave it to qualified service personnel with the correct procedure.

08 / TECHNICAL REFERENCE & HANDOVER

Record the verified setup

Use source-backed values and confirm configuration-dependent items on the actual unit.

Core inputs	1 HDMI, 1 DVI, 1 VGA, 1 composite AV and USB picture/video playback.
DVI / VGA input	Documented up to 1920 × 1080 at 60 Hz. This is an input limit, not a complete LED-system output rating.
Video output / presets	One processed DVI output; 10 preset save/recall slots.
Power / environment	Literature: 100–240 V AC, 50–60 Hz. Operation 0 to +50 °C; storage -40 to +70 °C; 10–90% RH, non-condensing. Follow the unit label.
Models	VS100: Standard. VS100R: remote-control support. VS100S: SDI input & loop. VS100W: Wi-Fi wireless display, IEEE 802.11n.

Confirm before installation

The sources disagree on maximum output resolution and sending-card/RJ45 quantity. Dimensions also conflict with earlier product records. Confirm output capacity, installed cards, enclosure/rack clearance, package dimensions and supplied accessories. Remote inclusion/range and Wi-Fi casting protocol are not established.

Commissioning record

Unit	Model / serial: _____ Firmware: _____
Display system	Sending / receiving system: _____ Verified input and output formats: _____
Operator handover	Preset slot / BLACK function: _____ Checked by / date: _____

Before handover: test every intended source, the complete display area, saved presets, FULL/PART, BLACK and audio/media where used. Record the exact hardware and accessories.

Sources: user-supplied AMS-VS100Manual_2022.06.pdf (12 PDF pages) and AMS-VS100_Product_2022.06.pdf (5 PDF pages). Original REDJET vector logo: Redjet_Logo.pdf, p.1. Safety: manual p.2; panels: pp.5–7; setup and operation: pp.8–12; specifications/options: brochure pp.1–5. PDF page references include covers.

Support: redjetstage.com

Provide model, serial, firmware, connection details and the symptom. Keep the original safety instructions with the unit.