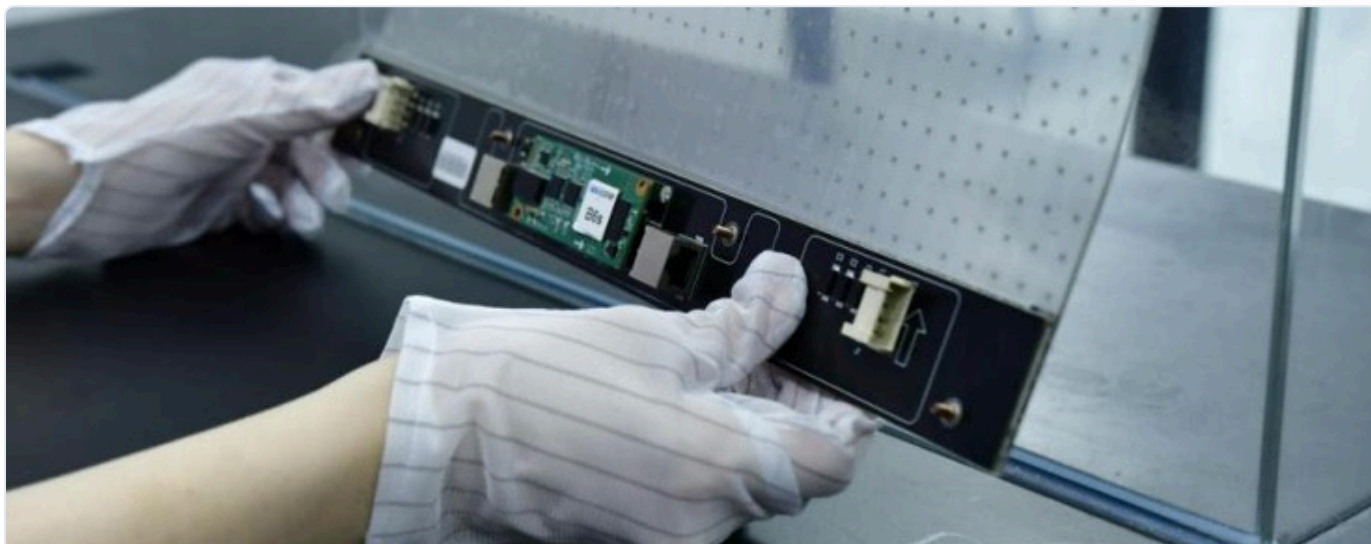


FIELD MANUAL · PEEL-AND-STICK

LED FILM INSTALLATION GUIDE

INDOOR · GLASS SUBSTRATE · WET APPLY · CURE 8-24 H · THEN POWER

Step-by-step guide for installing self-adhesive transparent LED film on existing glass. Read safety and layout rules before you open the film. Do not skip the curing wait before mounting the power box.

**Indoor only**

NO OUTDOOR USE

Glass only

BEST CARRIER

8-24 hours

ADHESIVE CURE

AC 100-240 V

50 / 60 HZ

BEFORE YOU START — HARD LIMITS

- **Indoor use only.** Keep away from direct sun, dust, and high humidity.
- **Structure:** Confirm the mounting point can hold **3x or more** the total weight (film + power supplies).
- **Level install:** The display must be installed horizontally level.
- **Clean site:** No airborne dust during install — dust under the film is permanent.
- **Grounding:** Mounting structure and display must be properly grounded.

01

Prep & tools



02

Layout rules



03

Wet apply



04

Cure 8-24 h



05

Power & light

TOOLS & MATERIALS

01

Pressure sprayer

Water + ~5% mild detergent

02

Glass cleaner

Degrease before water mist

03

Tape measure

Confirm glass size & position

04

Lint-free cloth

Dust-free wipe only

05

Squeegee

Felt/rubber edge — no scratch

06

Socket + Phillips

Power box nuts & cover screws

SITE PREPARATION

MEASURE

Measure and confirm glass size. Mark the install position and where the power / data tail will exit before you peel any film.

CLEAN THE GLASS

Remove raised points, dirt, and edge adhesive residue. The glass must be clean and free of foreign objects — anything left under the film shows forever.

UNBOXING CHECK

Close the install area. Read safety on page 1. After opening the box, confirm quantity, specifications, and packaging immediately. Wear clean anti-static gloves when handling the film.

CONTROL PC (RECOMMENDED)

CPU	Intel i5 or higher
RAM	8 GB or more
STORAGE	500 GB free
GPU	≥2 GB VRAM · up to 1920×1080

OS	Windows 7 or later
PORTS	Ethernet + serial as needed
POWER	AC 100–240 V · 50/60 Hz
PROTECTION	Breaker · OVP · earth fault

ELECTRICAL NOTE

Size AC capacity with our technical team. Install switches, circuit breakers, over-voltage protectors, and fault ground breakers in the main distribution cabinet. Ground structure and display to prevent shock.

LAYOUT RULES — BOARD A & BOARD B

Each module set is Board A + Board B. You may use A or B alone, but **never mix A and B from different pairs incorrectly**. To expand beyond one board length, splice A+B as a pair.

CRITICAL

Board A and Board B are a matched pair for splicing. Do not swap A/B orientation against the defaults below. Wrong pairing causes blank zones or mapping errors.

Vertical splice (A above B)

Y max = A + B

X expands infinitely

Default: A on top, B on bottom. Max height = A+B length. Width (X) can extend by repeating pairs.

Horizontal splice (A left of B)

X max = A + B

Y expands infinitely

Default: A on the left, B on the right. Max width = A+B. Height (Y) can extend by repeating pairs.

HIDING THE POWER BOX

If you do **not** need to hide the power box, you can splice freely in both X and Y. If the power box must sit at an edge or behind a cover, plan exit direction before applying film.

MOUNTING ORIENTATION

Two mounting methods. Pick one from the viewer's side and stick to it for the whole wall.

INSIDE-OUT • FRONT SIDE



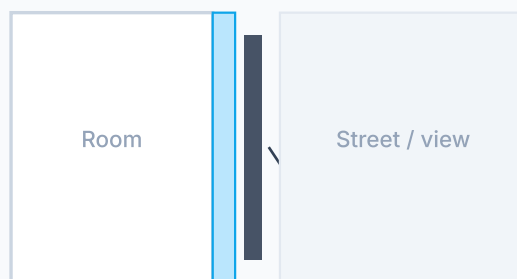
FILM

Film on interior face of glass

Front install (inside-out)

Film applied from the room side onto the glass. Service and power box stay indoors. Most common for storefronts.

OUTSIDE-IN • BACK SIDE



FILM

Film on exterior / far face of glass

Back install (outside-in)

Film applied from the opposite face. Use when the viewing side and service side differ. Confirm weather protection — product remains indoor-rated.

PRE-APPLY CHECKLIST

- ☐ Glass measured; position marked
- ☐ A/B orientation decided
- ☐ Power / data exit path planned
- ☐ Squeegee + lint-free cloth ready
- ☐ Glass degreased and dust-free
- ☐ Front vs back install decided
- ☐ Sprayer mix ready (water + ~5% detergent)
- ☐ Area closed; gloves on

APPLICATION STEPS 01-06



STEP 01

Spray the glass

Mist water evenly over the glass. Mix about 5% detergent so the film can slide for alignment.



STEP 02

Remove protective film

Peel the protective liner. Keep the adhesive face clean — no fingerprints, dust, or cloth fibers.



STEP 03

Spray the adhesive face

Mist the sticky side evenly. This prevents premature grab and lets you fine-tune position.



STEP 04

Align on glass

Place the film and align to your marks. Confirm A/B orientation and power-tail direction.



STEP 05

Spray the outer surface

Mist the front of the film so the squeegee glides without scratching the LED grid.



STEP 06

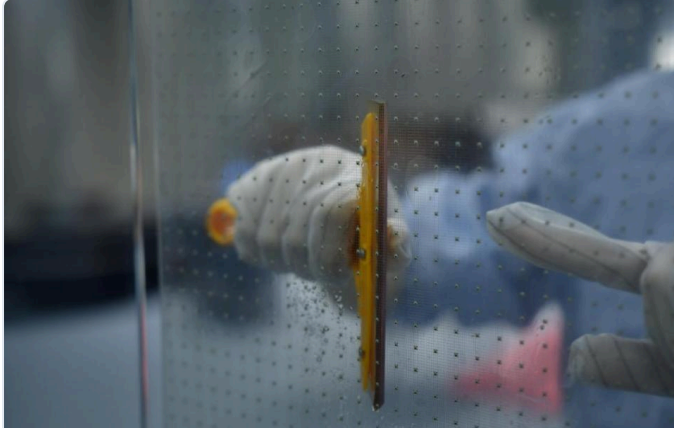
Squeegee water out

Push water out firmly from center to edges. Overlap strokes. Do not leave trapped pockets.

STEPS 07-12 – CURE & POWER WIRING

CONNECTION ORDER

After cure: mount PSU → plug LAN → 5V → main power → player box. Do not hot-plug under load. **Never skip the 8-24 h cure before mounting the power box.**



STEP 07

Confirm moisture is gone

Inspect for remaining water or air. Re-squeegee haze bands. Edges must sit flat with no lift.



STEP 08

Cure 8-24 hours

Wait until water is dry and the film is firmly bonded. **Only then** install the power box.



STEP 09

Mount the PSU

Fix the power supply to the adapter plate with nuts and socket. Keep wiring routes clear.



STEP 10

Plug LAN cable

Seat the data / Ethernet connector fully until it clicks. Confirm label orientation.



STEP 11

Plug 5V cable

Connect the low-voltage 5V lead. Red / black polarity must match the socket.



STEP 12

Main power connector

Mate the main DC power plugs firmly. Support the cable to avoid strain on the port.

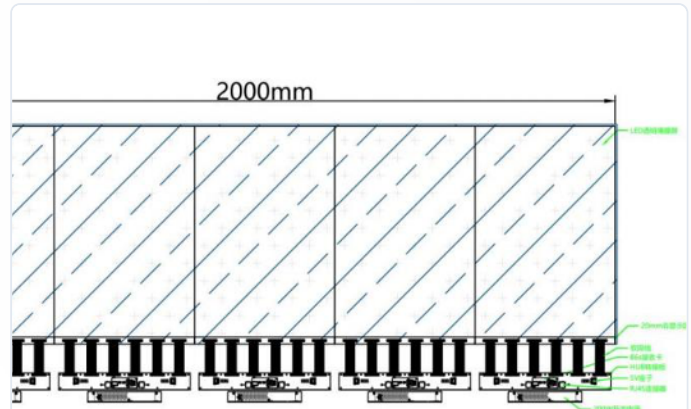
FINISH & ACCEPTANCE — STEPS 13-15



STEP 13

Connect player box

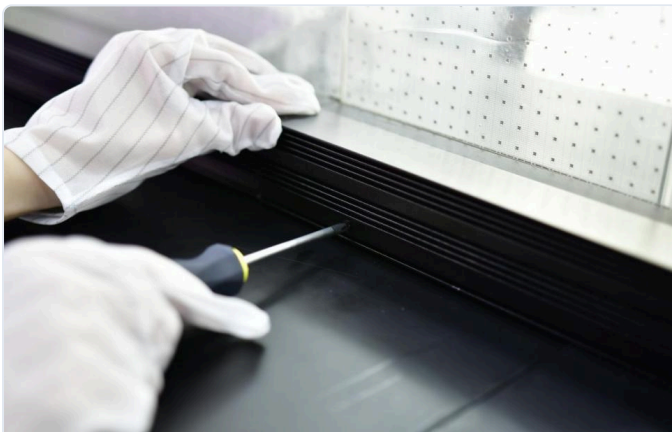
Link the controller / player (OUT / Ethernet as labeled). Power on and run a test pattern.



REFERENCE

Port map

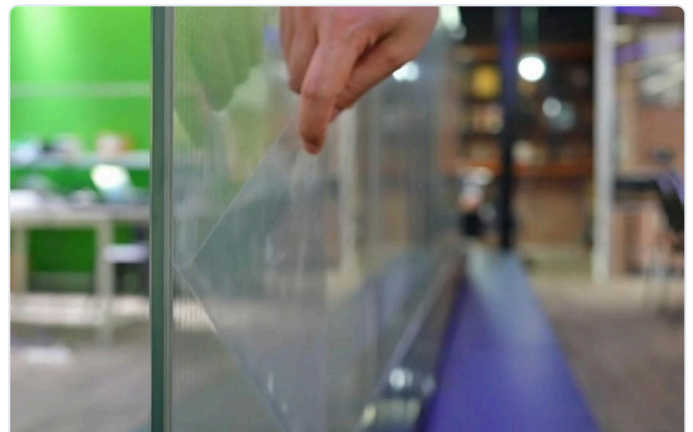
Match receiving card, HUB, 5V, and network ports to the factory drawing if provided.



STEP 14

Fit the back cover

After the screen lights correctly, install the power-box back cover with a Phillips driver.



STEP 15

Remove backing after accept

When acceptance is complete, remove any remaining backing / surface film per shipment notes.

RE-INSTALL NOTE

The product supports careful removal and re-application (slight deformation may occur). Before reloading, clean the adhesive face with alcohol on a dust-free cloth — do not use abrasive cleaners.

ACCEPTANCE CHECKLIST

- | | |
|--|--|
| ☐ Film flat; no bubbles or lift at edges | ☐ A/B layout matches drawing |
| ☐ Cure wait completed before PSU | ☐ LAN / 5V / mains seated correctly |
| ☐ Test pattern full-white / full-color OK | ☐ No dead pixels / no flicker |
| ☐ Grounding verified | ☐ Cover fitted; cables dressed |

NEED INSTALL SUPPORT?

Send glass size, pitch, and front/back choice — engineering replies within 24 hours.

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