



TECHNICAL GUIDE · FILM INSTALLERS

SMART FILM — REMOTE CONTROL

Transformer, remote pairing
and field troubleshooting

System overview

01

The smart film transformer converts local mains voltage to **48 / 60 VAC** for the film.

02

Each transformer ships with a **radio (RF) remote** — not infrared, so no line of sight is required. It transmits at 315 Mhz

03

One transformer supports **multiple remotes in parallel**, all paired to the same unit.

04

The remote runs on a single **A23 12V** alkaline battery.

The three buttons



RF REMOTE — NO LINE OF
SIGHT NEEDED

TOP
ON

Always powers the film **ON**. With power applied the glass turns clear and stays clear.

MIDDLE
TOGGLE

Switches the current position — clear becomes opaque, opaque becomes clear.

BOTTOM
OFF

Always powers the film **OFF**. The glass turns opaque and stays opaque.

TROUBLESHOOTING

REMOTE NOT RESPONDING

Our Transformer seamlessly switches Smart Film from clear to opaque using either a standard wall switch, smart home device or a wireless remote.

01

Remove the plastic protection

New remotes ship with a plastic tab covered the remote. Pull it out before first use.

02

Look for the red light

Every press on the remote should light the red LED on the remote. No light means nothing is being transmitted.

03

Check the battery

If there is no light, open the remote and check if the A23 12V battery is fitted and facing the right way.



A23 12V, replace if not see red light when clicking



Confirm the transformer itself is powered — the green indicators on the transformer must be lit

Environment

CE, EMC, EN62479, IP21, Protective Treatment Tropical Coating TC, Over voltage Category Class I conforming to VDE 0106-1, Dielectric Strength 2,000 V between winding and ground. Electrical Insulation Class B.

Compliance

FCC 15.109 (FCCSDoC) tests the receiver
FCC 15.231 (FCCID) tests the remote

04 Sync the remote to the transformer

STEP A

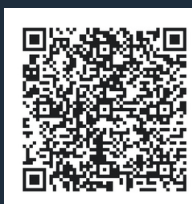
Switch the transformer off at the mains

STEP B

Switch it back on

STEP C

Hold the **top and middle** buttons together for 5 seconds, until you hear a click



SCAN — SYNC VIDEO

Still not working?

Repeat the sync with the transformer powered. If the film still does not switch, [contact](#) Smart Films International support.