

Restarting maintenance checklist before turning on your projection equipment, after a long inactivity period



The time is finally coming to reopen the cinemas and before showing the next film after a long time closed, we would like to provide you a basic **manufacturer-restarting checklist**. So your team can double check before the units are fully running to provide a smooth reactivation of the equipment.

Before turning projectors to Standby

1. Check all power and other connection to secure they are adhere to standard health & safety, and properly fitted.
2. Properly remove any covered dust protection, avoiding any extra dust entering in the units. For lens please follow procedure in maintenance manual depending of your model*.
3. Check for dust/moisture in lenses, projector body or other parts of the units (internal and external surfaces) and clean them appropriately
4. Check for dust/moisture/humidity in your air condition/extraction system prior to restarting the unit.
5. Replace/Clean the filters (body and lamp/light) following the maintenance steps on the maintenance manual depending on model*.
6. If you find there is a higher amount of dust than normal maintenance please refer to your [Sharp/NEC local Integration partners/ASP](#). They might need to perform in-depth internal cleaning to the unit.
7. If they are Xenon light base units:
 - a. Please check in the lamp housing if there is any dust/moisture/humidity and clean following the maintenance manual/lamps installation Manual on the specific model*
 - b. Please check in the lamp itself if there is any dust/moisture/humidity and contact your lamp manufacturer for any recommendation needed as you might need to replace the lamp.

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8. If your unit has a chiller/cooling liquid reservoir, check cooling liquid level and fill if required, or follow general recommendation for replacing the liquid if needed.
9. Secure that environment is under operating temperatures/humidity as follow: **10 - 35°C / 50 - 95°F 10 - 85 % non-condensing**
10. Check any other condition in the unit/installation and contact your ASP if some parts are out of normality

Turning on the unit step-by-step

1. If previous steps have been performed and corrected, you are ready to switch the unit in Standby mode, following the power up process in user Manual depending on Model*.
2. In Standby check for errors/warnings and correct or contact your ASP for solution.
3. If no problem happens in previous steps, **power on** your unit (if possible in **light off mode**).
4. Check possible errors related with IMS/server connector and contact your ASP for solution.
5. **Light on** the unit following model procedure and strictly following warming up times (15-60 min can differ to one to other model).

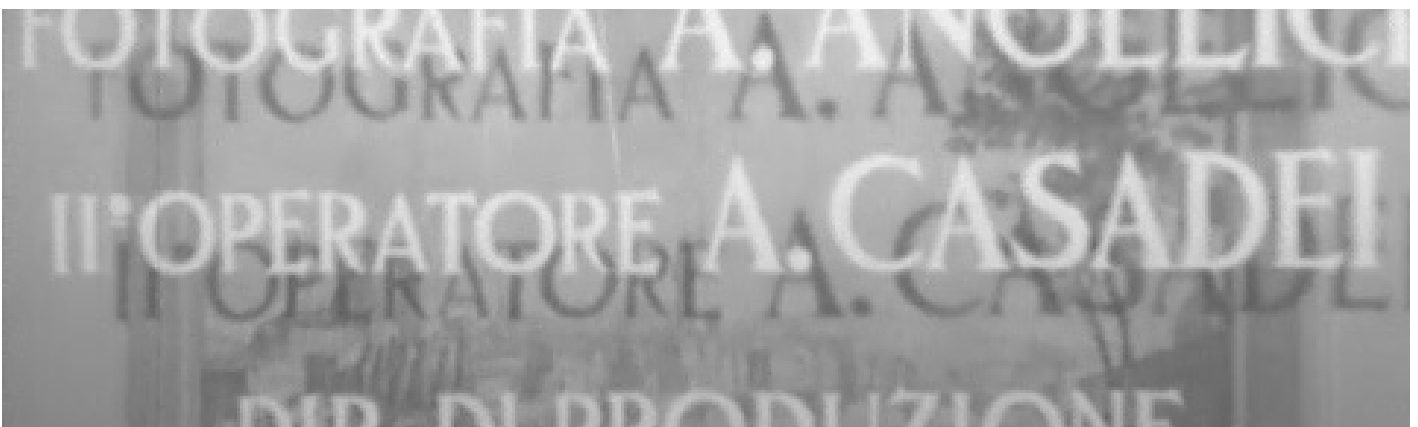
Once the unit is up and running

1. Check again for any possible errors that might appear (marriage, battery, memory,...) in the unit and contact your ASP for possible solutions.
2. Check the clock from PJ is in line with Server clock and check the server's internal clock, to secure KDM's will run properly.
3. Check and perform required updates if the unit is out of date. Your ASP has access to manufacturer data for this step, so feel free to contact them so they can set your unit to the correct date.
4. In case your Server is Dolby/Doremi you can follow this recommendation for checking test contents as follow [link](#).
5. Check for optical adjustment and image quality and perform necessary actions (colour correction, lamp adjustment, brightness levels, cropping, shifting,...) as in common installation maintenance with ASP.

If your image performance is as expected and your status light is green with unit fully on, you are ready to run the contents. We recommend you run a full feature prior to the first show, to ensure there are no abnormalities in the cinema Security level. If nothing happens, you are ready to show films again, after all this time.

For any other questions, please contact your Sharp/NEC representative:

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