

VPS – ATLAS 84C4 unit

Generally it had been observed that the One of the VPS Lamp screen had become dark due to non-functioning of VPS Lamp. The following section describes about the maintainace of the VPS Lamp ,Filter and EOS Unit. (For more information Refer Barco Document in ATLAS 84C4 in the HWD9 of Hardware Section.)

1.1 Control Elements of the ATLAS84C4 Unit

All control elements are located on the rear of the ATLAS84C4 Unit.

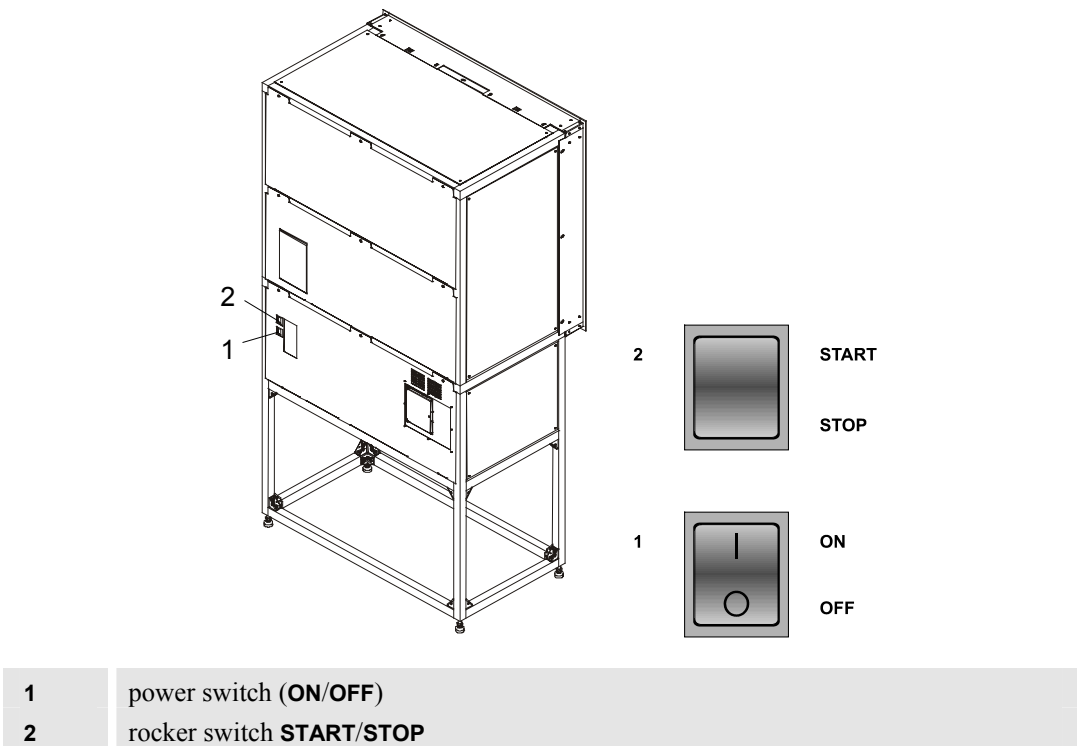


Figure 2-1
Control elements on the rear of a Atlas Unit of
ATLAS84C4

The **power switch** is used to isolate the equipment from the power supply. With the rocker switch **START/STOP** the lamp can be ignited (**START**) and switched off (**STOP**). Please, refer to chapter [Error! Reference source not found. Error! Reference source not found.](#) for a detailed description of REMOTE-CONTROL.

1.2 Switching-On and -Off

The lamp is switched manually using the rocker switch **START** and **STOP** or alternatively by REMOTE-CONTROL (please, refer to chapter [Error! Reference source not found.](#) [Error! Reference source not found.](#)).

1.2.1 Switching-On

Proceed as follows to ignite the lamp:

Make sure that the power cable is plugged and the rear cover mounted properly.

Switch on power switch by pressing **ON**.

After approx. 30 seconds the lamp is switched on automatically.

After ignition of the lamp it becomes gradually bright until it burns stable. The equipment has a switch-off delay function which prevents the lamp from being switched off within a period of 30 seconds.

1.2.2 Switching-Off

Switch off the lamp by pressing **STOP** or via REMOTE-CONTROL.

Switch off power switch by pressing **OFF**.

Following switching-off, a switch-on delay function prevents a reignition for 30 seconds.

Removing a Lamp Module

- ▶ Switch off the lamp by pressing **STOP**.
- ▶ Switch off power by pressing **OFF**.
- ▶ Turn the screw on the lamp cover and open the cover.

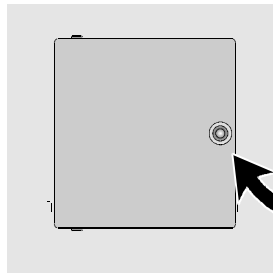


Figure -2
Opening the lamp cover

- ▶ Loosen first the lower screw [2] and then the top left screw [1] (only the left screw, not the right one) with an Allen key size 3mm. This removes slowly the plug of the lamp module.

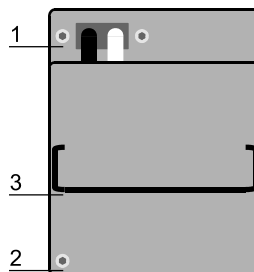


Figure -3
Removing the lamp module

- ▶ When the screws turn freely, lift the small grip [3] and withdraw cautiously the whole lamp module.

Inserting a Lamp Module



Never remove the cover of the lamp housing with the equipment switched on.

The following description applies if the lamp has already been removed as described above.

- ▶ Carefully insert the new lamp module into the lamp housing and push it cautiously right back as far as it will go.

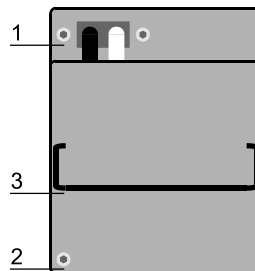


Figure 2-4
Inserting the lamp module

- ▶ Tighten first the left screw [1] (only the left screw, not the right one) and then the lower screw [2] with an Allen key size 3mm. This plugs slowly in the plug of the lamp module.
- ▶ When the screws are tight, lower the small grip [3].

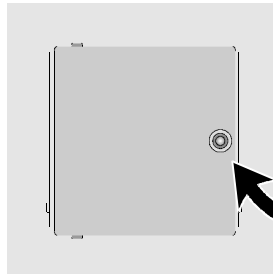


Figure 2-5
Closing the lamp housing

- ▶ Close the lamp housing.
- ▶ Switch on power by pressing **ON**.
- ▶ After approx. 30 seconds the lamp is ignited automatically.

Disposing a Lamp



Note that there may be laws concerning disposal and recycling of burnt-out lamps in your country! Please contact your local authorities to get further information!

1.2.3 Replacing the Filter Pad

The filter pad must be replaced regularly. The operating period of a filter pad depends on the quality of the supplied air.

- ▶ Switch off the lamp by pressing **STOP**.
- ▶ Switch off power by pressing **OFF**.



Switch of the equipment before replacing the filter pad in order to avoid severe contamination of the ATLAS84C4 Unit!

- ▶ Lift the cover of the filter pad slightly and remove it.

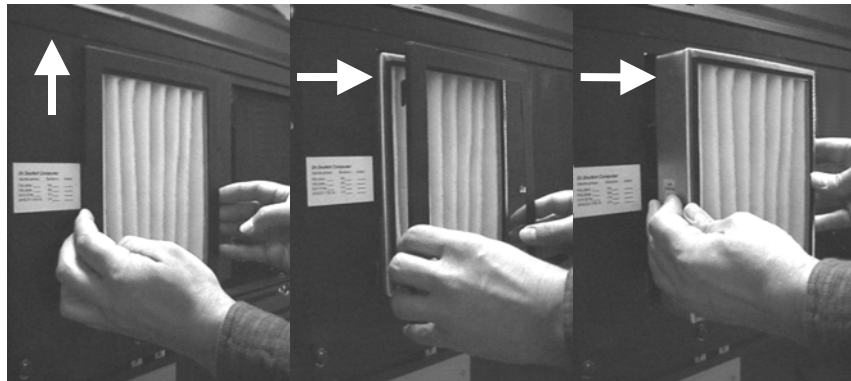


Figure 2-6
Removing the cover and the filter pad

- ▶ Remove the filter pad.
- ▶ Insert the new filter pad as indicated on its frame.
- ▶ Insert the cover of the filter pad and press it slightly down.
- ▶ Switch on power by pressing **ON**.
- ▶ After approx. 30 seconds the lamp is ignited automatically.

2 Troubleshooting

Check this chapter for help, if your ATLAS84C4 Display Wall does not work properly. When faults occur with ATLAS84C4 which are not described below please contact Barco Control Rooms!

2.1 Errors

fault	cause/steps
Lamp is not ignited after failure like AC fail or lamp failure.	AC fail bit is set. First press STOP to reset the AC fail bit, then press START to ignite the lamp.
The wall is dark though all lamps are ignited.	Screen saver of EOS as X.11 Terminal is activated. The screen saver must be deactivated in the software installation! Add option -s 0 to <code>/etc/MMTconfig/MMTServerConfig</code> This sets the time-out of the screensaver to zero.
A single module shows a white display.	The data cable connecting EOS with the projection unit is missing. Plug this cable into the respective slot of EOS!