OLED Warranty

Screen Maintenance

Based on the characteristics of the OLED product, screen maintenance should be carried out according to the following requirements, so as to reduce the risk of generating image retention.

- **The warranty does not cover any damage resulting from non-compliance to the following instructions.**
- **Displaying a still image should be avoided as much as possible.**
- **A still image refers to an image which remains on the screen for a long time.**
- **A still image may result in permanent damage to the OLED screen. The following suggestions on use should be abided by:**

Do not display a still image on the display screen for over one hour. Doing so may lead to image retention on the screen. To avoid such problem, please reduce the luminance and contrast ratio of the screen when the still image is displayed.

Different traces will remain on left and right sides of the screen and at margins of the image when you watch programs in 4:3 format for a long time. Therefore, do not use such mode for long periods.

It is not recommended to continuously use this product for more than four hours.

This product uses many technologies to eliminate possible image retention.

LEA (Logo Extraction Algorithm) (Prevention of local image retention)

To reduce the risk of generating image retention, it is recommended to enable the LEA function.

After this function is enabled, the screen will be automatically narrowed to fix the brightness of the display area, so as to reduce possible image retention.

This function is "On" by default, and can be set in the OSD menu.

TPC (Temporal Peak Luminance Control)

To reduce the risk of generating image retention, the luminance of the screen automatically lowers greatly when a still image is displayed for a long time so as to avoid possible image retention.

This function is "On" by default, and cannot be disabled.

Orbit (Image shift)

To reduce the risk of generating image retention, it is recommended to enable the Orbit function.

After this function is turned on, image pixels circularly move as a whole once a second in a trajectory shaped like a Chinese character "日." The movement amplitude is based on the settings. The moved character may be side cut. When "Strongest" is selected, image retention is most unlikely generated, but possible side cut may be most notable. When "Off" is selected, the image will go back to the optimal position.

This function is "On" (Weak) by default, and can be set in the OSD menu.

CPC (Convex Power Control)

To reduce the risk of generating image retention, this function can automatically adjust power gain for different images.

Power control follows a convex mathematic model which is high in the middle and low on two sides, so as to reduce possible image retention.

This function is "On" by default, and cannot be disabled.

LBC (Local Brightness Control)

To reduce the risk of generating retention, the brightness of an area will be automatically lowered if the accumulative mean brightness of this area is overly high to prevent decline of the bright effect of this area, thereby avoiding possible image retention.

This function is "On" by default, and cannot be disabled.

OFF RS (Off Real slow) (Elimination of image retention)

Based on the characteristics of the OLED panel, image retention tends to appear when a still image divided by different colours or brightness is displayed for a long time.

To eliminate the image retention which may have been generated, it is recommended to regularly or irregularly re-run the

OFF RS function, so as to obtain an ideal image display effect. The number of times of implementing the OFF-RS function can be viewed in "Others" of the OSD menu.

This function can be run by the following methods:

1. Manually enable the OFF-RS function in the OSD menu, select "Yes" according to the menu prompt.

2. An alert will pop up automatically every time the display runs accumulatively for 4 hours to remind the user of screen maintenance. It is recommended to select "Yes." If "No" is selected or no selection is made, the alert will be given once an hour after the display runs accumulatively for 24 hours until the user selects "Yes."

3. Every time the displays run accumulatively for 4 hours, the OFF-RS function will be automatically implemented if the display is pressed to shut down or 2 hours after the display enters the standby state.

The OFF-RS function runs for about 10 min each time. Keep power on and do not operate keys. The power indicator will flash white (white a second/off a second). The power indicator turns off at the end, and the display enters shutdown or standby state.

If the user presses the "Power" button to start the display or awakes the display from the standby state when the OFF- RS function is executed, the OFF-RS function will be automatically disabled, and the display will recover the image. This process lasts for about 5 seconds.

JB (Screen compensation and correction)

To reduce the risk of generating image retention, the screen is subjected to relatively complete JB operation every time when the display runs accumulatively for 1500 hours.

Before JB is executed, the OFF-RS function runs automatically first and then the screen needs to automatically cool down to a proper temperature (the whole process lasts for about 1 hour).

Please keep power on, and do not operate keys during screen compensation and correction. The power indicator will flash white (white for 3 seconds/off for 3 seconds). The power indicator turns off at the end, and the display enters shutdown or standby state.

If the user presses the "Power" button or awakes the display from the standby state during JB operation, the JB process will be automatically interrupted, and the display will recover the image. This process lasts for about 5 seconds. This function is "On" by default, and cannot be disabled.

Note: The panel is under maintenance when the power indicator flashes white. At this time, the measured power cannot be used to judge the standby power or shutdown power.