

Kuycon G32P V2 Firmware Update Instructions

Model: Kuycon G32P

Firmware Version: 202505 v2.2

Firmware Name: P32P-250504.bin

Checksum: 0x6B72

V2.1 Debug Update Content

1. Update the 3D LUT table based on V1.1, and invoke a new color space to adapt to gamut mode coverage.
2. Update the original factory code to version 3.2.
3. Adjust the gamma curve preset values.
4. Update HDR extension data, new benchmark testing invocation, and new compatibility.
5. Adjust and calibrate the preset color temperature channels.
6. Update the USB-C coprocessor firmware and protocol handshake timing.
 - Update the CC logic controller firmware to be compatible with the standby wake-up logic of Apple M1-based macOS 11.6 and later.
1. Adjust the backlight DC dimming to limit the maximum threshold current for power consumption control.
2. Disable GPIO6 0xd1 and GPIO12 0xfe extension and debugging functions.
3. Enable the new USB HUB chip standby mechanism.
4. Add a black level adjustment option to the OSD; the firmware default color temperature is approximately 6800K–7000K.

V2.2 Debug Update Content

1. Modify the standby and power-saving deep sleep mechanisms to resolve wake-up issues from sleep for some graphics cards or laptops.
2. Update EDID to fix the no-display issue when connecting to Nvidia Ampere architecture 30-series graphics cards for the first time.
3. Update the USB-C coprocessor firmware to:
 - Fix the PD charging instantaneous current protection mechanism and improve charging compatibility for some laptops.
 - Add new compatibility codes to adapt to more USB-C devices.
1. Perform more color patch coordinate sampling calibration and enable automatic color uniformity compensation.

2. Update based on the added Gamma correction for the IPS Black panel.
3. Optimize USB-C interface compatibility with the extended display mode of iPad (M1/M2) based on iPadOS 16 Beta and later versions.
4. Add a Mac mode based on color adaptation for macOS.
5. Fix compatibility issues with DP2.1 and TBT5 at 10Gbps/13.5Gbps/20Gbps speeds, applicable to devices including new Macs with Thunderbolt 5 interfaces, Nvidia 50-series, AMD RDNA4-series, and Intel Arc series GPUs.

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