3Dof Controller Connection Binding Solution

**Introduction:**

Bind the controller with Pico device via controller Mac address, solving controller connection issues on multi-devices in same space.

**Instructions:**

1. Turn off 3Dof controller calibration application:
2. Hold “Confirm” and “Volume -” at the same time to enter 2D settings;
3. In “Developer option” menu, disable “Controller calibration”
4. Reboot device.
5. View the last 4 digits number of the MAC address of controller:

Open the controller battery lid, there are two lines of numbers on the right side of the QR code in the middle of two batteries. The last 4 digits number of the MAC address of controller is at the bottom.

1. To get the file hmbirdsn.pre at : [https://github.com/PicoSupport/PicoSupport/tree/master/Assets/Controller%20Connection%20Binding](https://github.com/PicoSupport/PicoSupport/tree/master/Assets/Controller%20Connection%20Binding%20Scheme)
2. Modify Configuration File:

Open “hmbirdsn.pre” in “ControllerConfig” folder with notepad, change the last 4 digits number of “SN:” to be the last 4 digits number of the MAC address

Parameter Description of Config file:

* sn:B0F7 (4 digits mac number)
* overtime:60 (Unit: S)
* notification: true (Or false; True means popping up system 2D prompt, false means not popping up)

About overtime time: Helmet will search controller connection after the boot for 60 seconds; After 60 seconds if device could not connect the controller with specified SN, a 2D interface will pop up, prompting the controller is not connected, choosing to reconnect or not to connect. User can set their preferred overtime.

The 2D interface image which pops up after overtime searching can be changed as follows:

For self-designed PNG format hint picture, rename it to “background”, placing it in Controllerconfig folder.

1. APK and configuration file copy:

Copy “ControllerConfig folder which contains modified config file, and copy “HmBirdServerToB.apk” to root catalog of device.

1. APK Installation:

Enter “Launcher” → “ All applications” → “ File management” → “ Install Package”, click “Install”;

1. Reboot device:

Reboot device and turn on the pairing of controller at the same time to connect the controller.