

Morph 2K

Quick Start Guide

For Pixel FX Morph 2K video scalers



This guide walks you through powering on your Morph 2K, connecting it to your display and source, joining WiFi, updating to the latest firmware, and loading the preset archive so you are ready to start scaling video.

1. What you need before you begin

microSD card

Required. Insert printed side up in the front slot. Format as FAT32 or exFAT. 4 GB is the minimum; 8–32 GB is the practical range for storing presets and firmware update files.

Power supply

The Morph 2K requires a 5 V supply rated for at least 2.5 A; 3 A is recommended. Avoid inconsistent phone chargers. The Raspberry Pi 4 15 W USB-C supply (5.1 V / 3.0 A) is a known good choice.

Video cables

Connect the Morph output to your TV or monitor, and connect your source to the input you plan to use. A standard HDMI cable is fine for Morph 2K output.

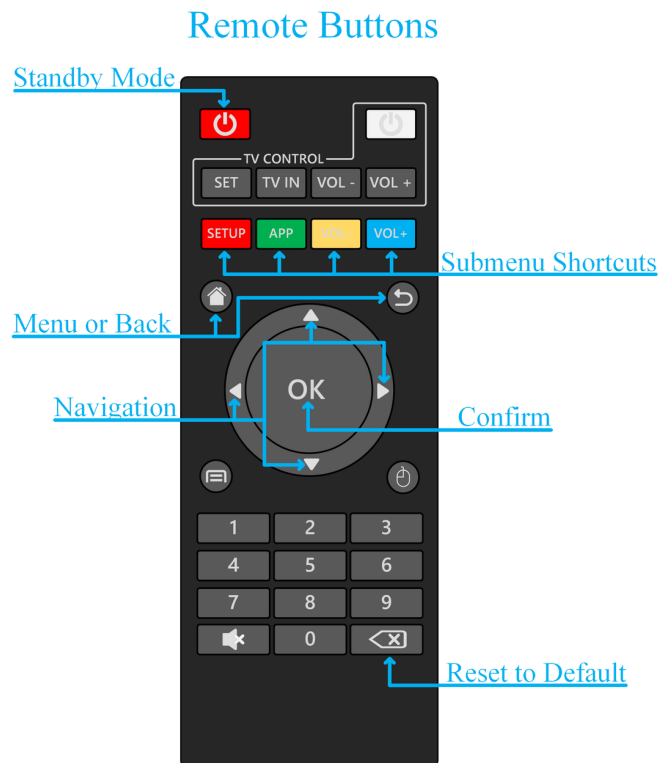
Remote batteries

The included IR remote takes 2 AAA batteries. Press the Menu (house) button to open the on-screen display, then use OK and the arrow keys to navigate.

2. Basic setup and input selection

1. Insert the formatted microSD card into the front slot.

2. Connect the Morph output to your TV or monitor, then connect your console or source to your chosen input.
3. Connect USB-C power, turn the Morph on with the physical switch, and set your display to the correct input.
4. Open the on-screen display with the **Menu** (house) button on the remote, or use the front-panel buttons.
5. Select the input that matches your input video cable.
6. If you see *No Signal*, confirm both the physical cable connection and the input selected in the Morph menu.



Wiki reference: default Morph remote button mapping

3. Join WiFi

7. Open the OSD and go to **System** → **WiFi** → **Start Setup Wizard**.
8. Scan the QR code shown on screen. If needed, manually connect to SSID **MORPH 2K** using password **MORPH 2K**.
9. Open the wizard link. If it does not open automatically, browse to **<http://192.168.4.1/wiz>**.
10. Select your 2.4 GHz WiFi network, enter the WiFi password, and set your WebUI credentials.
11. Click **Finish**. After the Morph restarts, confirm the connection under **System** → **WiFi**.

Note

WiFi setup saves settings to the microSD card. If the wizard freezes, double-check that your card is properly formatted and compatible.



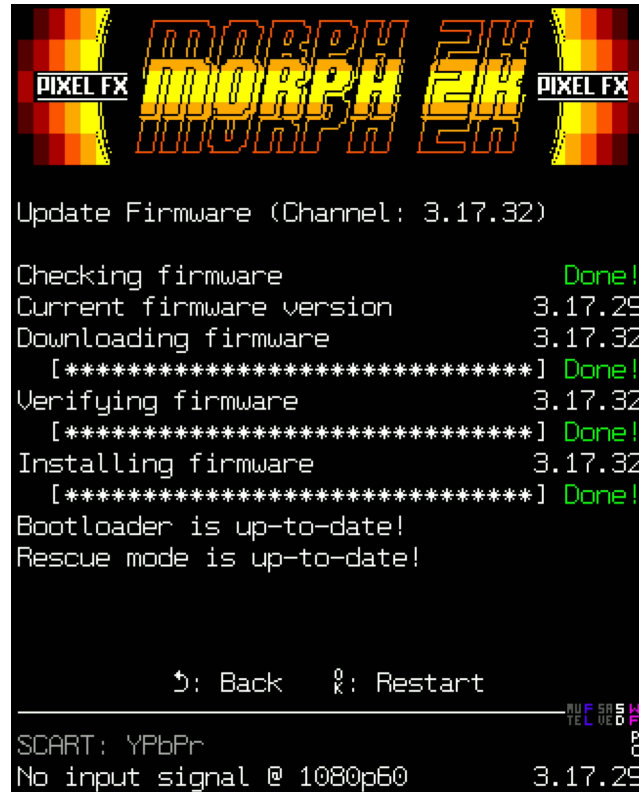
Wiki reference: WiFi Setup Wizard

4. Update to the latest firmware

12. Make sure a compatible microSD card is inserted and WiFi setup is complete.
13. Open the OSD and go to **System** → **Firmware** → **Update Channel**.
14. Choose **Main (previously stable)** and press **OK** to save. **Main (stable)** is recommended for most users.
15. Select **Check for Update**. If a new version is available, press **OK** to view the changelog and start the process.
16. Select **Update Firmware** and wait for the download, verification, and install to complete. **Do not power off during this step.**
17. When prompted, restart the Morph and press **OK** to mark the new firmware as valid.

Important

A microSD card is required for Update Firmware even when updating over WiFi.

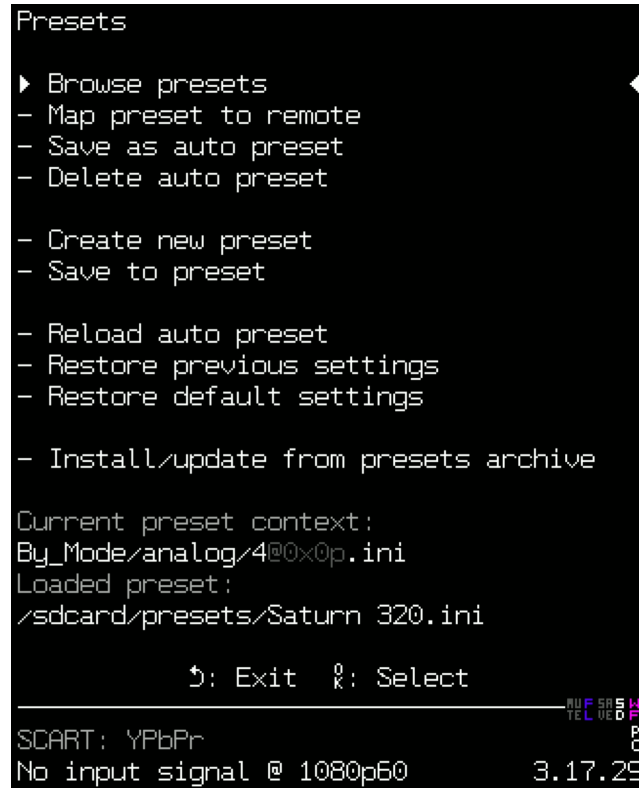


Wiki reference: [firmware update complete](#)

5. Download and install the preset archive

18. Confirm the Morph is connected to WiFi and the microSD card is inserted.
19. Open the OSD and go to **Presets**.
20. Choose **Install / update from presets archive**.
21. Press **OK** to download the latest presets archive over WiFi. It installs to **/sdcard/presets** on the microSD card.
22. When the download finishes, press **Back** to return to the menu.
23. Use **Browse presets** or the preset manager to select the preset that matches your input or source.

This OSD method is the simplest way to get the preset archive. The WebUI can still be used later for manual preset uploads or file management.



OSD reference: Presets menu

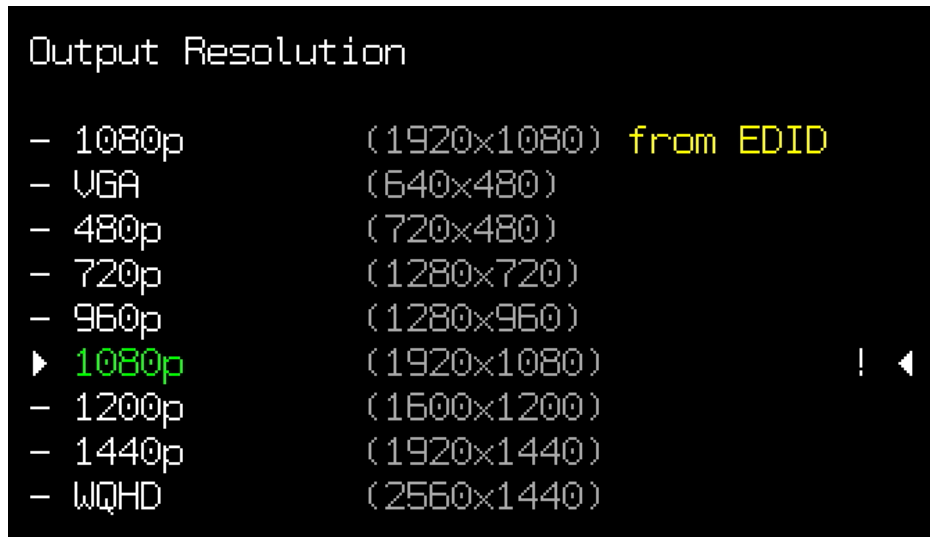
6. Quick Menu Controls

You are now set up. Anything beyond this point — fine-tuning scaling, color, or signal processing — lives in the full OSD and gets technical fast, so it is outside the scope of this guide. For everyday use you do not need any of that. The Morph 2K has a Quick Menu mode that lets you change input, console type, and video filter directly from the four arrow keys on the remote, no menu diving required.

From the home screen, each direction on the directional pad opens a different Quick Menu:



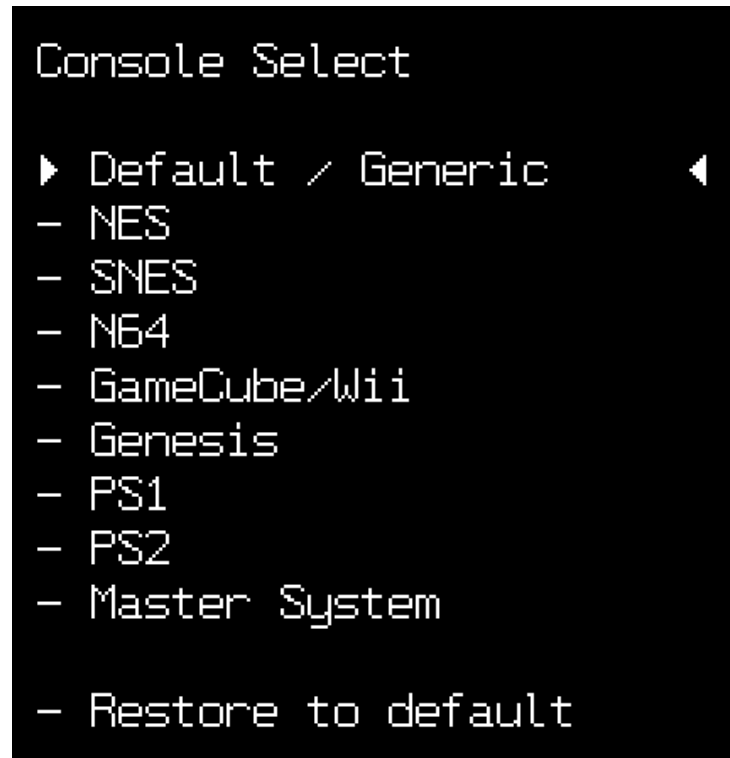
- **Down — Resolution Quick Menu.** Switch the output resolution on the fly. A future update will add control for frame lock, triple buffering, and magiclock modes.
- **Left — Input Select Quick Menu.** Choose between Composite, S-Video, Component, SCART, and VGA without opening the full input menu.
- **Up — Console Select Quick Menu.** Tell the Morph which console is currently connected so it can apply the optimal sampling parameters. SNES, Genesis, and Playstation 1 use auto-sampling.
- **Right — Filter Select Quick Menu.** Choose from various zoom presets or CRT modes to match your preference or display.



Output Resolution Quick Menu



Input Select Quick Menu



Console Select Quick Menu



Filter Select Quick Menu

Tip

Once a preset is loaded for your source, the four arrow keys are usually all you need. Use OK to confirm a selection inside any Quick Menu, and Back to exit without changes.

Quick troubleshooting

Issue	What to check
No image	Check the TV input, output cable, source power, and selected Morph input. Make sure the menu input matches Port A or Port B as cabled.
WiFi setup freezes	Verify a compatible FAT32 or exFAT microSD card is inserted. WiFi settings are saved to the card.
Firmware update fails	Check WiFi signal quality, use a 2.4 GHz network, and confirm the microSD card is inserted.
Unstable power or screen blanking	Use a dedicated USB-C supply rated 2.5 A or higher (3 A recommended).

More information

- **Full documentation:** (work in progress) https://wiki.pixelfx.co/index.php/Morph_2K
- **Community Discord:** <https://discord.gg/pixelfx>